

SONY®

PORTABLE VIDEOCASSETTE RECORDER

BVW-35P



BETACAM SP™

MAINTENANCE MANUAL

Volume 2 4th Edition (Revised 3)

Serial No. 11744 and Higher

EBU N-10 LEVEL

このマニュアルに記載されている事柄の著作権は当社にあり、説明内容は機器購入者の使用を目的としています。

従って、当社の許可なしに無断で複写したり、説明内容（操作、保守等）と異なる目的で本マニュアルを使用することを禁止します。

The material contained in this manual consists of information that is the property of Sony Corporation and is intended solely for use by the purchasers of the equipment described in this manual.

Sony Corporation expressly prohibits the duplication of any portion of this manual or the use thereof for any purpose other than the operation or maintenance of the equipment described in this manual without the express written permission of Sony Corporation.

Le matériel contenu dans ce manuel consiste en informations qui sont la propriété de Sony Corporation et sont destinées exclusivement à l'usage des acquéreurs de l'équipement décrit dans ce manuel.

Sony Corporation interdit formellement la copie de quelque partie que ce soit de ce manuel ou son emploi pour tout autre but que des opérations ou entretiens de l'équipement à moins d'une permission écrite de Sony Corporation.

Das in dieser Anleitung enthaltene Material besteht aus Informationen, die Eigentum der Sony Corporation sind, und ausschließlich zum Gebrauch durch den Käufer der in dieser Anleitung beschriebenen Ausrüstung bestimmt sind.

Die Sony Corporation untersagt ausdrücklich die Vervielfältigung jeglicher Teile dieser Anleitung oder den Gebrauch derselben für irgendeinen anderen Zweck als die Bedienung oder Wartung der in dieser Anleitung beschriebenen Ausrüstung ohne ausdrückliche schriftliche Erlaubnis der Sony Corporation.

TABLE OF CONTENTS

Volume-1

1. TECHNICAL INFORMATION
2. PERIODIC CHECK AND MAINTENANCE
3. SERVICE INFORMATION
4. REPLACEMENT OF MAJOR PARTS
5. LINK AND DRIVE SYSTEM ALIGNMENT
6. TORQUE AND BACK TENSION ALIGNMENT
7. TAPE RUN ALIGNMENT
8. POWER SUPPLY AND SYSTEM CONTROL ALIGNMENT
9. SERVO SYSTEM ALIGNMENT
10. AUDIO SYSTEM ALIGNMENT
11. VIDEO SYSTEM ALIGNMENT

Volume-2

12. BLOCK DIAGRAMS

OVERALL (1/3)	12-1
OVERALL (2/3)	12-4
OVERALL (3/3)	12-7
LUMINANCE/CHROMINANCE SIGNAL DEMODULATOR,	
VIDEO REC AMPLIFIER	12-11
LUMINANCE/CHROMINANCE SIGNAL SEPARATOR	12-15
CTDM/EXPANDER	12-19
ENCODER, Y PROCESSOR	12-23
AUDIO	12-27
DRUM/CAPSTAN SERVO	12-31
REEL SERVO	12-34
SYSTEM CONTROL	12-37
FUNCTION KEY, TIME CODE REC/PB AMPLIFIER	12-40

13. SEMICONDUCTOR ELECTRODES

SEMICONDUCTOR ELECTRODES	13-1
--------------------------------	------

14. SCHEMATIC DIAGRAMS

Circuit Information	14-2
VIDEO	
PA-67P	14-4
BF-29	14-7
DEC-49P (1/2)	14-13
DEC-49P (2/2)	14-23
MDM-3P (1/4) —	
TG-31 —	14-33
MDM-3P (2/4) —	
DO-19	
EQ-14	
EQ-14A	
PA-60A	
RF-16A —	14-43
MDM-3P (3/4) —	
DM-58A	
DUS-277	
FL-66 —	14-52
MDM-3P (4/4) —	
DL-13	
RG-24	
VA-54 —	14-61
VRA-1	14-69
CEC-3P (1/3)	14-75
CEC-3P (2/3)	14-82
CEC-3P (3/3)	14-88
CF-29 —	
CL-15	
CL-16 —	14-94
NR-18 —	
DL-14	
DL-15	
DL-17	
ED-18 —	14-100
EQ-23	
LM-15	
LM-16 —	
ENC-11P (1/3)	14-107
ENC-11P (2/3)	14-117
ENC-11P (3/3)	14-127
AUDIO	
MA-28	14-137
MT-34 —	
VR-64 —	14-144
ASW-7 —	
AU-93P (1/4) —	
AL-14	
AR-12P —	14-151

AU-93P (2/4)	}	14-159
DC-33		
SG-137		
AU-93P (3/4)	}	14-167
AFM-3		
NR-19		
VA-68		
AU-93P (4/4)	}	14-172
CO-8		
MS-22	}	14-175
VR-63		
CP-114	}	14-179
MTS-2		
HP-36		14-182
SERVO		
SV-94P (1/3)		14-187
SV-94P (2/3)		14-195
SV-94P (3/3)		14-203
SD-16P	}	14-209
DR-63		
TIME CODE		
TC-45P		14-214
SYSTEM CONTROL		
KY-110P		14-221
SY-110	}	14-229
CS-22		
DU-39		
SW-203		
SW-24		
SWC-3		
BC-14	}	14-235
DC-35		
PSW-8		
DC-DC Converter		14-239
OTHER		
CN-185		14-243
CON-12	}	14-246
RM-54		
RMD-1		
DE-19		14-248
MB-157		14-252
FRAME (1/3)		14-258
FRAME (2/3)		14-261
FRAME (3/3)		14-264

15. PRINTED WIRING BOARDS

Circuit Information	15-1
VIDEO	
BF-29	15-3
DEC-49P	15-7
MDM-3P	15-15
DL-13	15-23
DM-58A	
DO-19	
DUS-277	15-27
EQ-14	
EQ-14A	
FL-66	
PA-60A	
RF-16A	
RG-24	
TG-31	
VA-54	
VRA-1	15-33
CEC-3P	15-37
CF-29	15-45
CL-15	
CL-16	
DL-14	15-49
DL-15	
DL-17	
ED-18	
EQ-23	
LM-15	
LM-16	
NR-18	
NEC-11P	15-55
AUDIO	
MA-28	15-63
MT-34	15-67
VR-64	
AU-93P	15-73
AFM-3	15-81
AL-14	
AR-12P	
CO-8	
DC-33	15-85
NR-19	
SG-137	
VA-68	
MS-22	15-89
CP-114	15-93
HP-36	15-97
VR-63	
MTS-2	
ASW-7	15-101

HP-36	
VR-63	
MTS-2	
ASW-7	15-101
SERVO	
SV-94P (COMPONENT SIDE)	15-105
SV-94P (SOLDERING SIDE)	15-111
SD-16P	15-117
TIME CODE	
TC-45P	15-123
SYSTEM CONTROL	
KY-110P	15-127
SY-110	15-133
CS-22	
DU-39	
SW-24	
SWC-3	
SW-203	15-141
POWER	
DC-DC Converter	15-145
PSW-8	
BC-14	
DC-35	15-149
OTHER	
CN-185	15-153
CON-12	
RM-54	
RMD-1	
DS-23	15-157
MB-157	
DE-19	15-161
EX-150	15-167

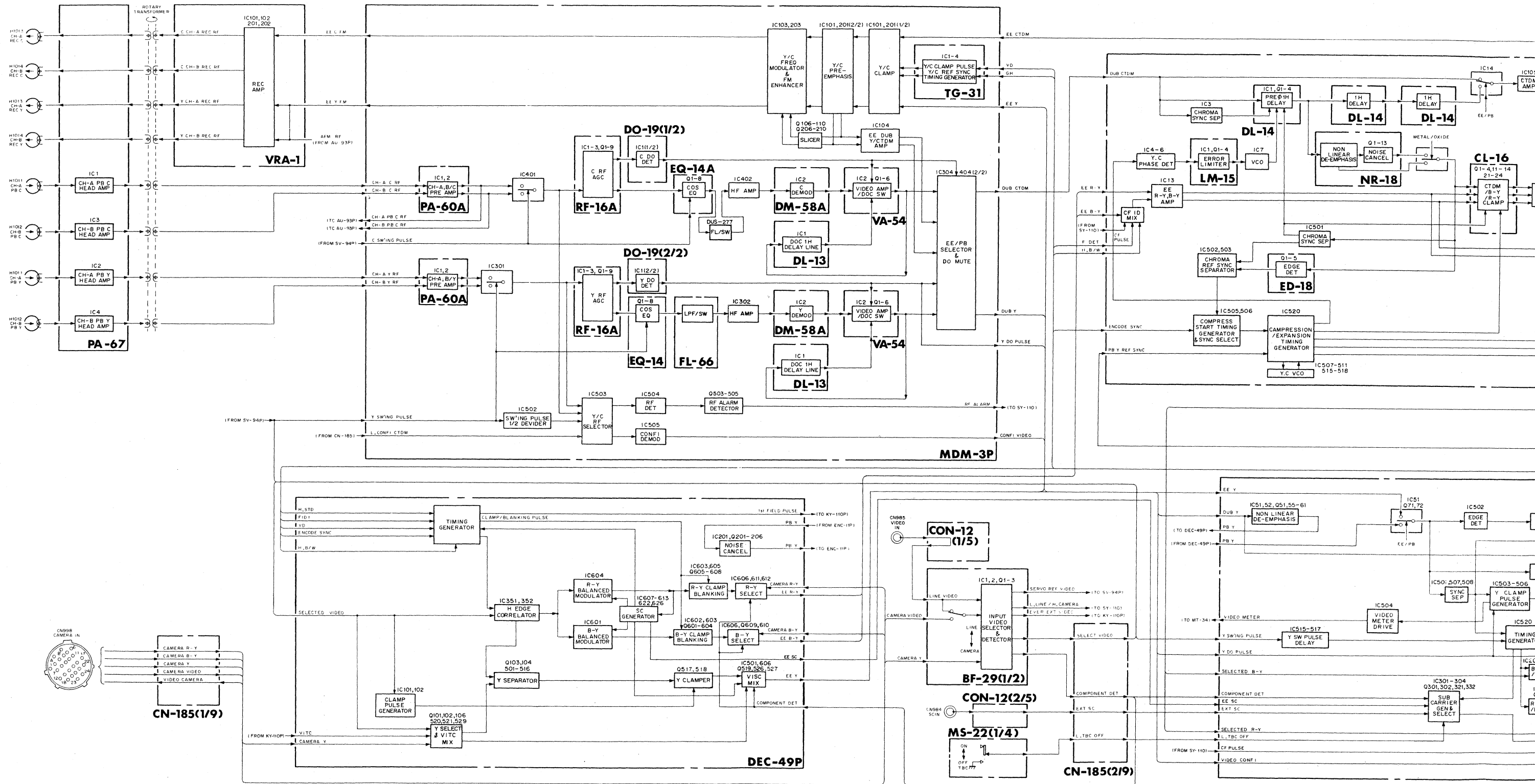
16-3. Electrical Parts List	16-29
16-4. Packing Material and Accessory (Supplied)	16-77
16-5. Fixture	16-77

16. SPARE PARTS AND FIXTURE

16-1. Parts Information	16-1
16-2. Exploded View	16-2
Reel Chassis Block	16-3
Drum, Stationary Heads, Tape Guides and	
Capstan Blocks	16-5
Threading Ring, Motors and Switch Blocks	16-7
Pinch Press Mechanism and Tape-end	
Sensor Blocks	16-9
Ring Stopper Assembly Block	16-11
Gear Assembly Block	16-12
Reel Chassis Block (Back Side)	16-13
Cassette-up Compartment Block	16-15
Chassis and Printed Circuit Boards Blocks	16-17
Battery Case Block	16-19
Front Panel Block	16-21
Meter Panel Block	16-23
Connector Panel and DC-DC Converter	
Blocks	16-25
Ornamental Panel Block	16-27

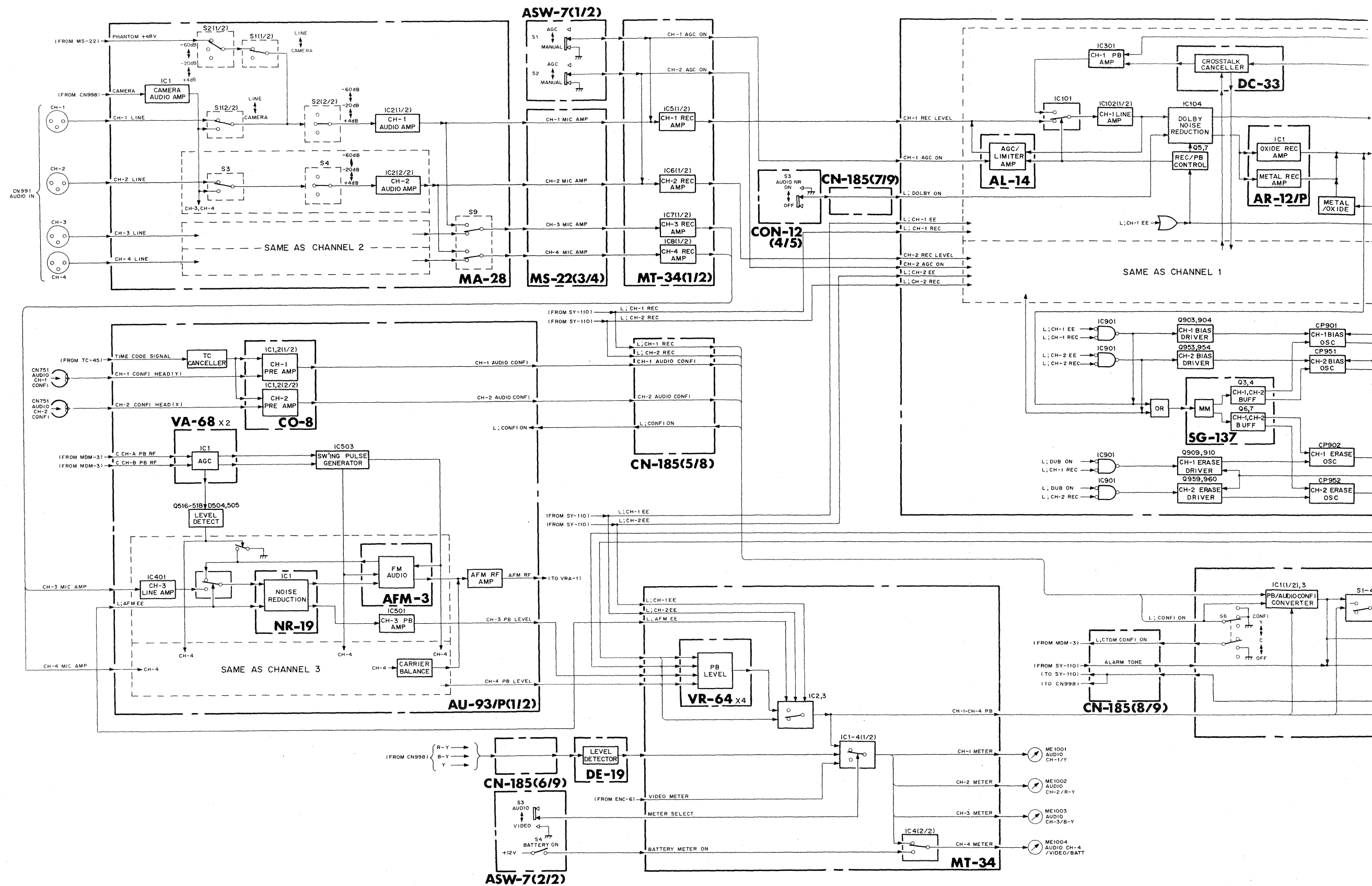
SECTION 12 BLOCK DIAGRAMS

OVERALL (1/3)

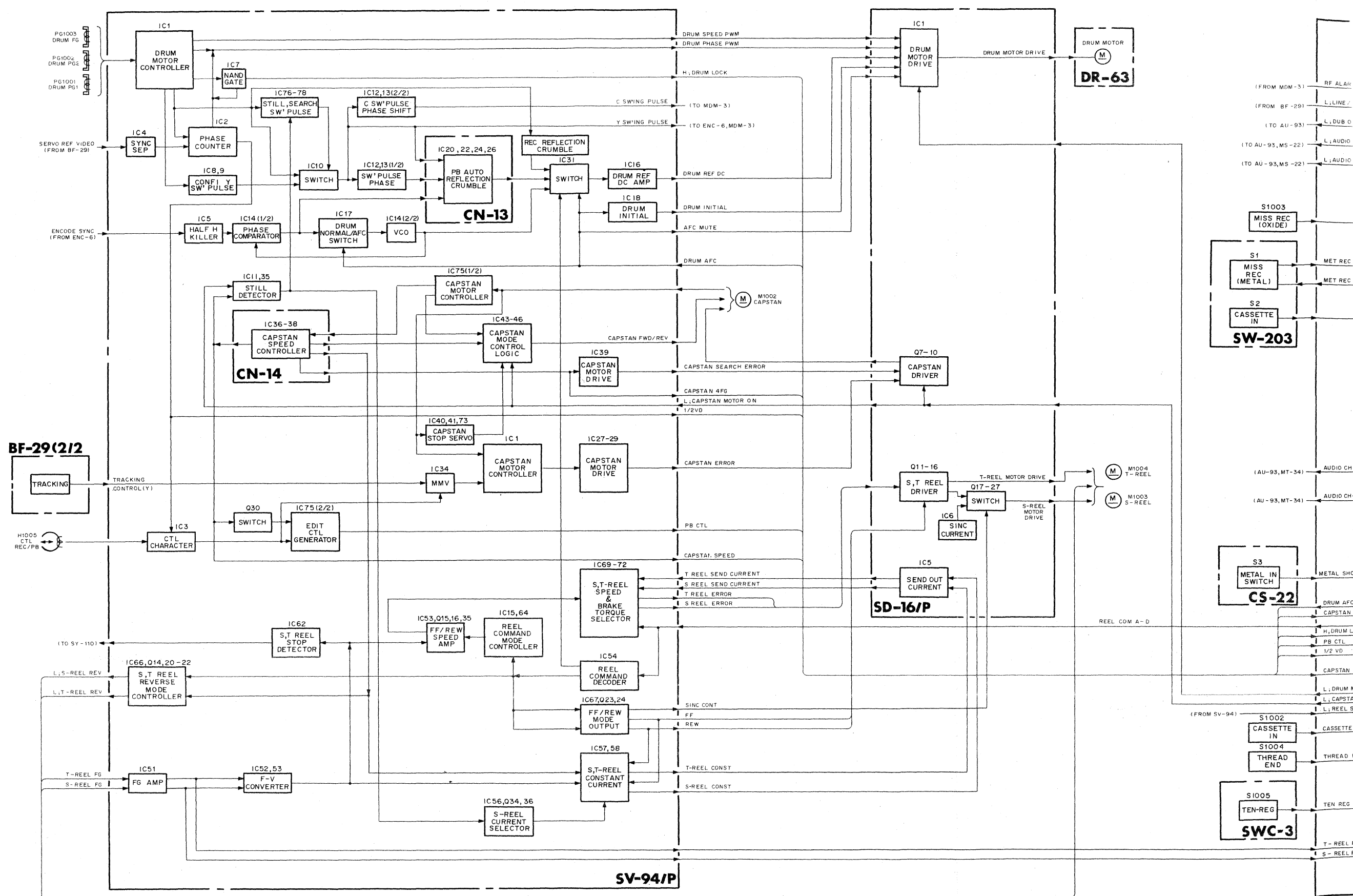


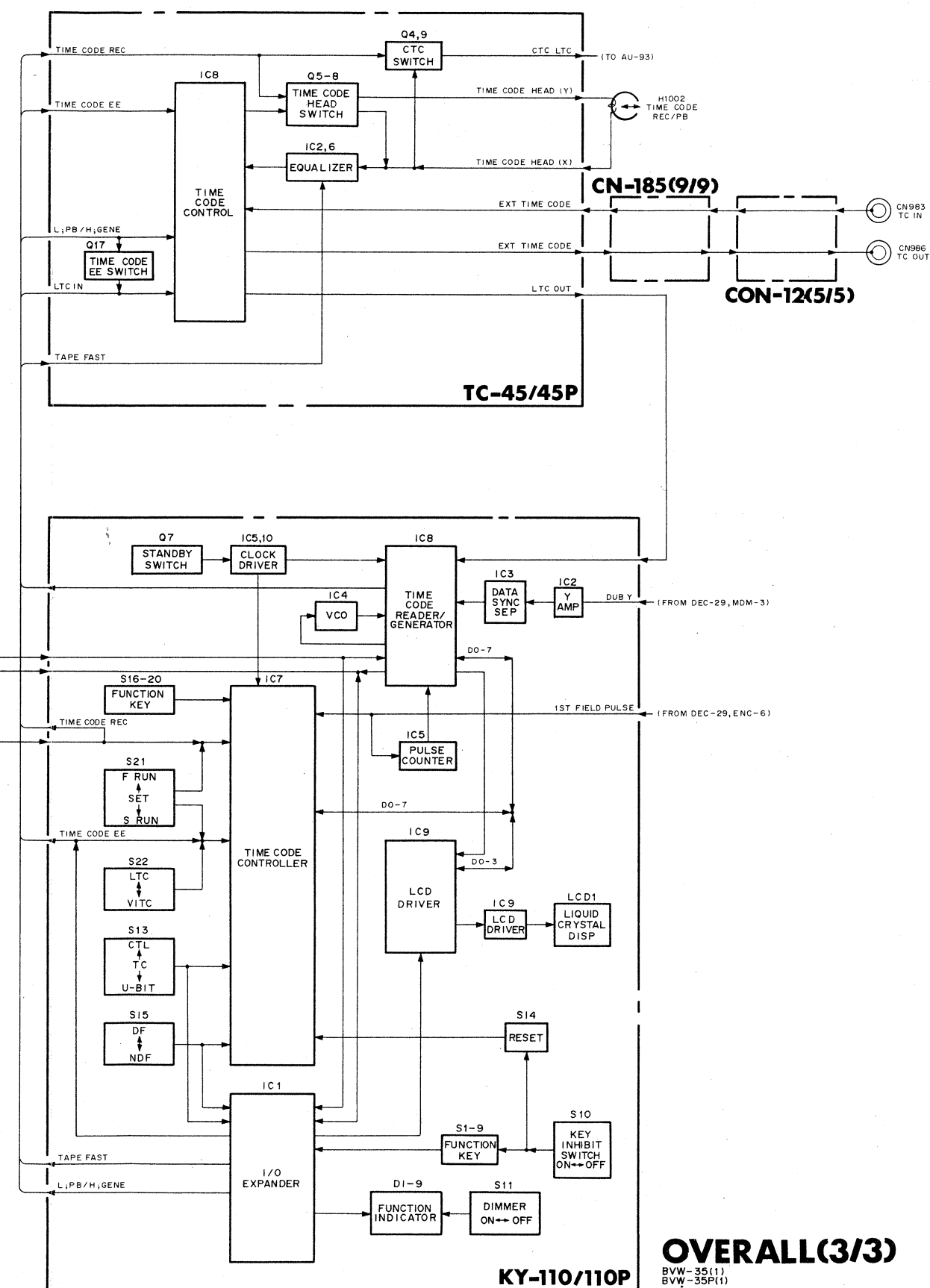
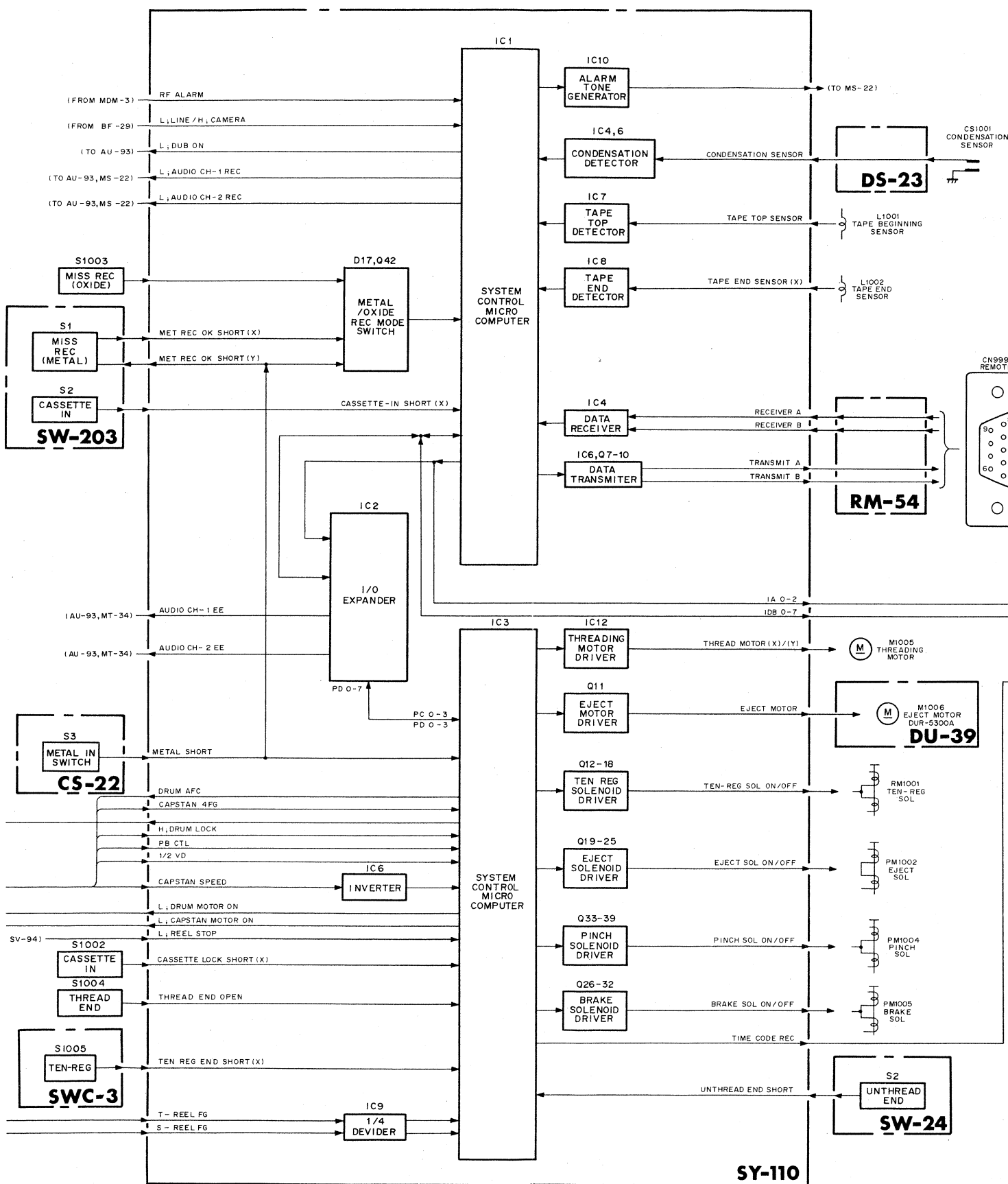


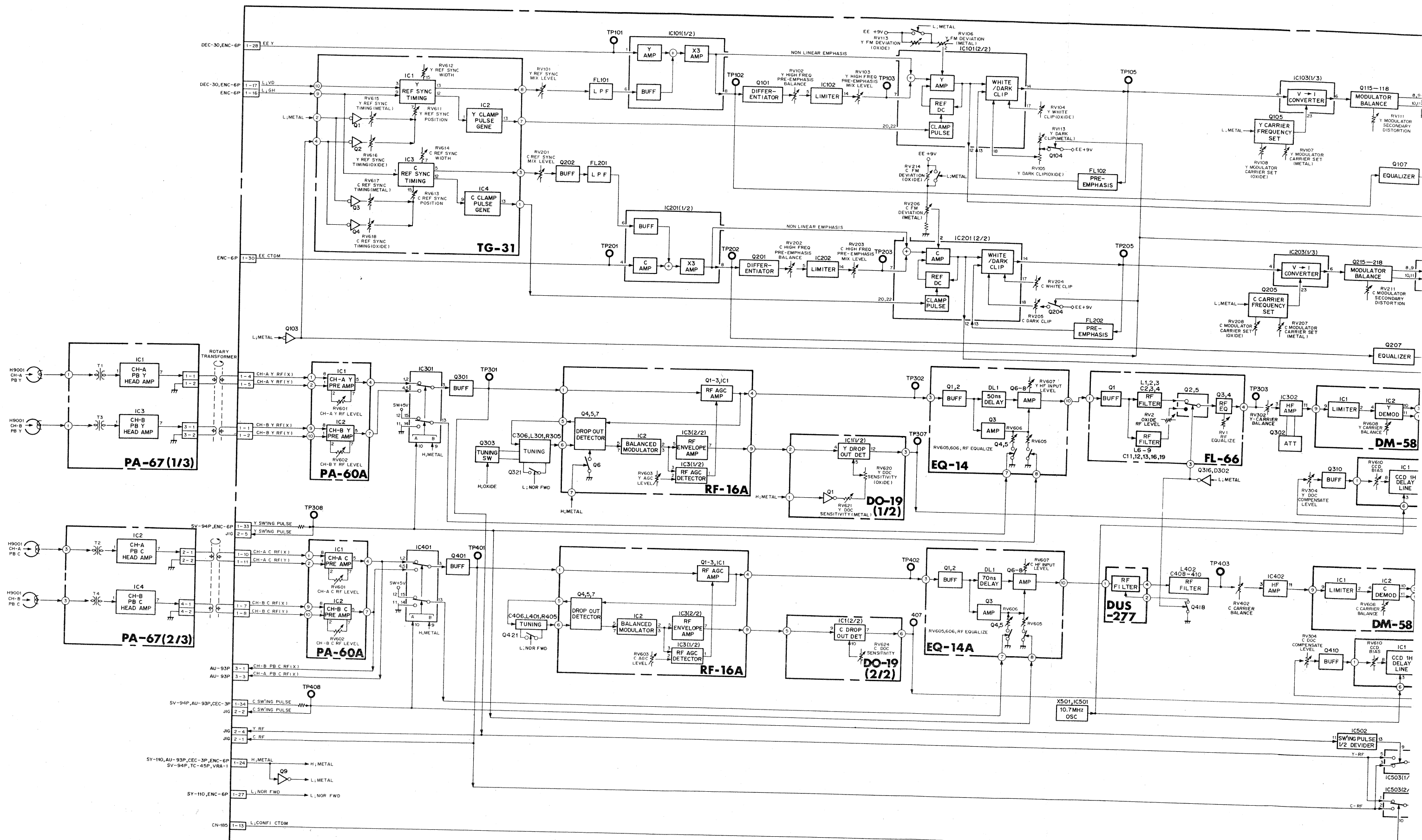
OVERALL (2/3)

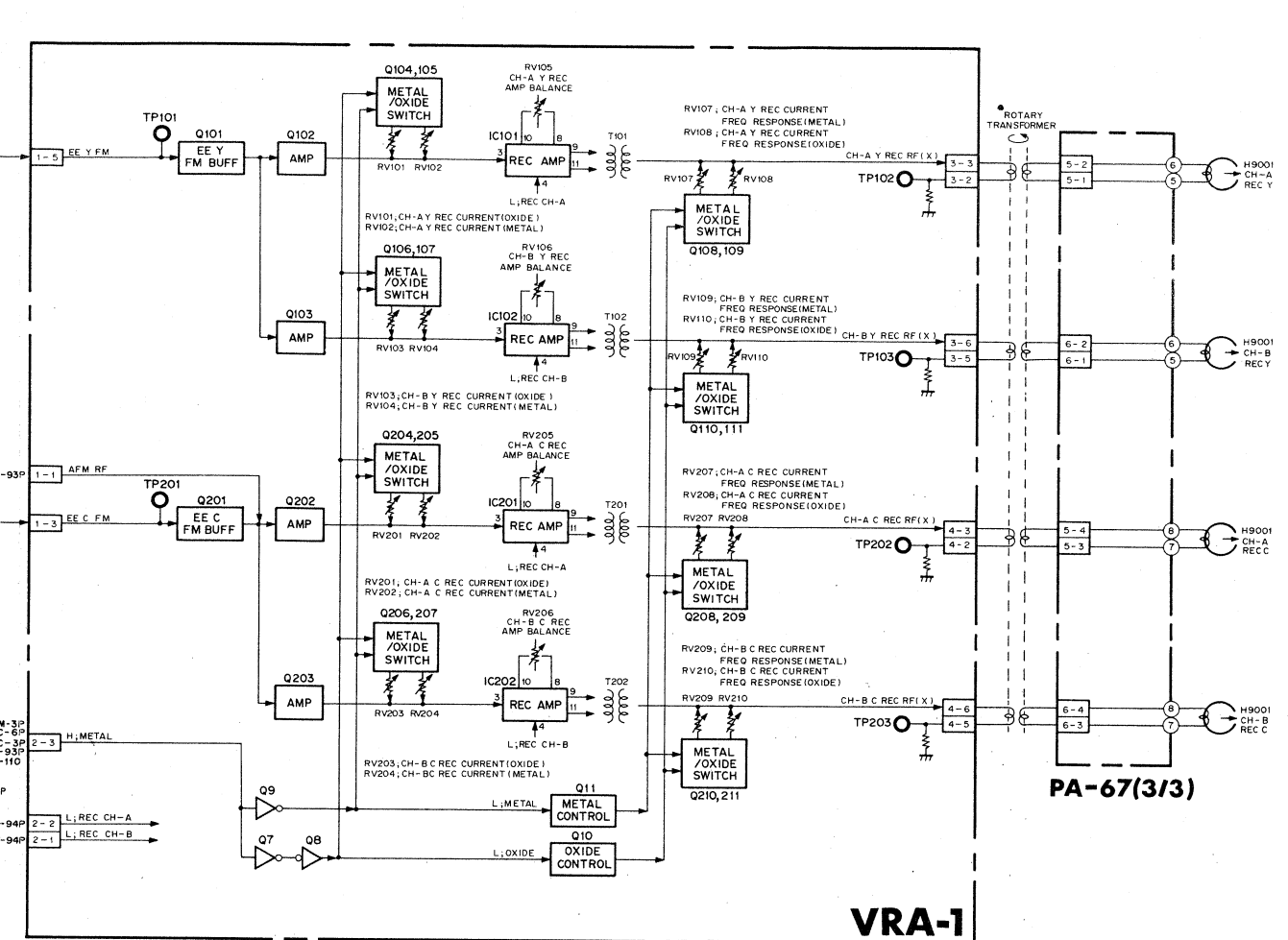
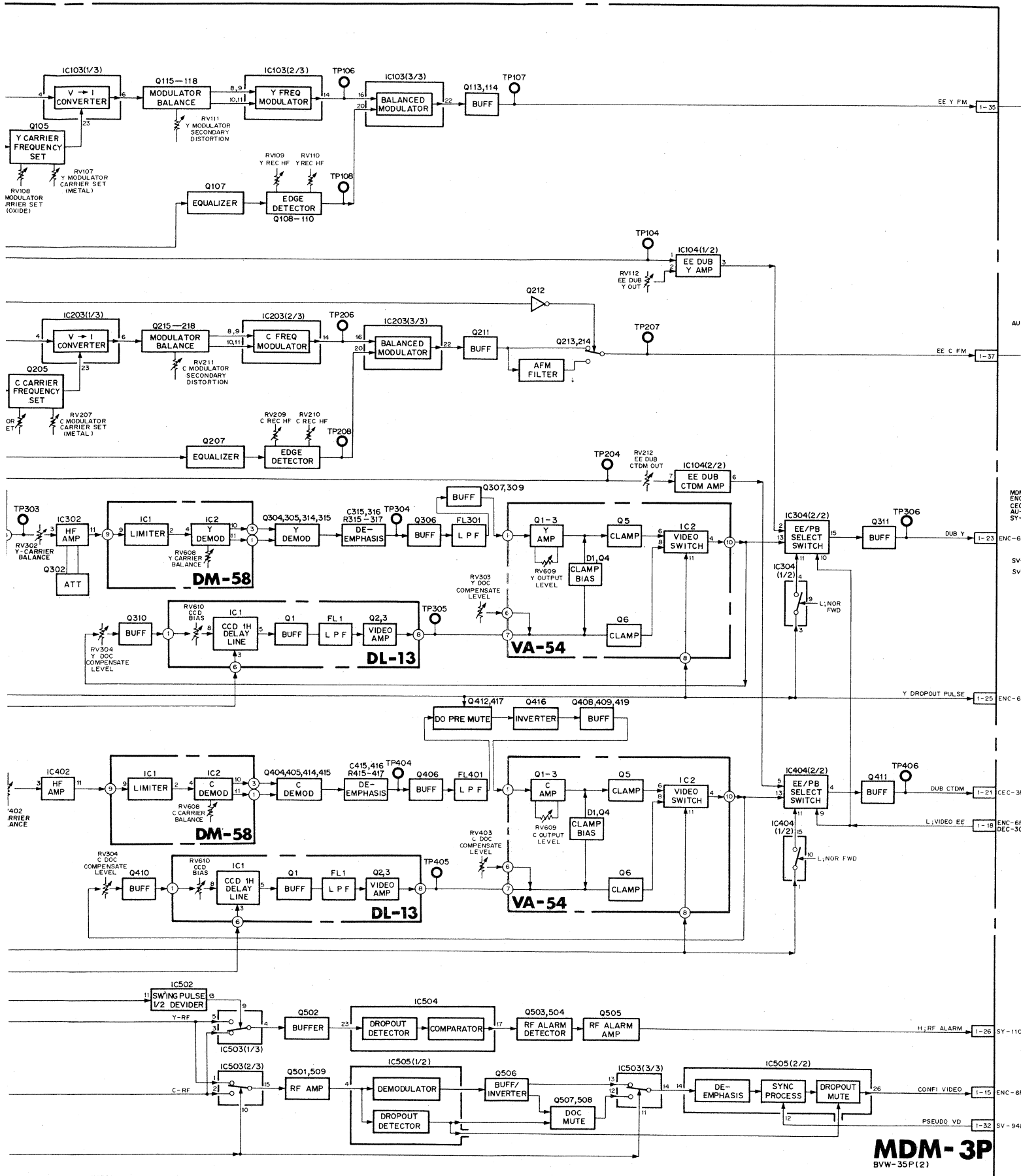






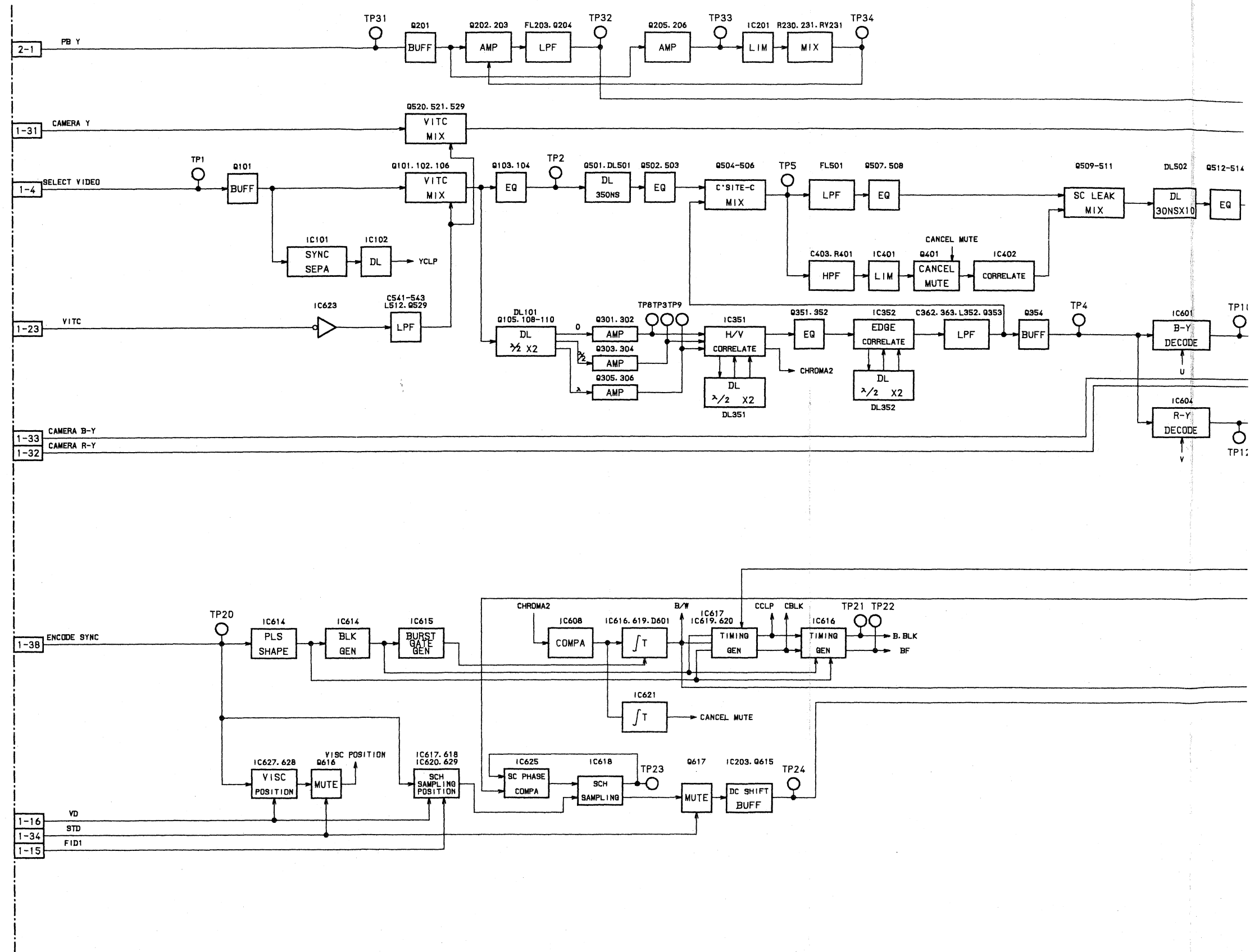


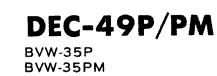
LUMINANCE/CHROMINANCE SIGNAL DEMODULATOR, VIDEO REC AMPLIFIER

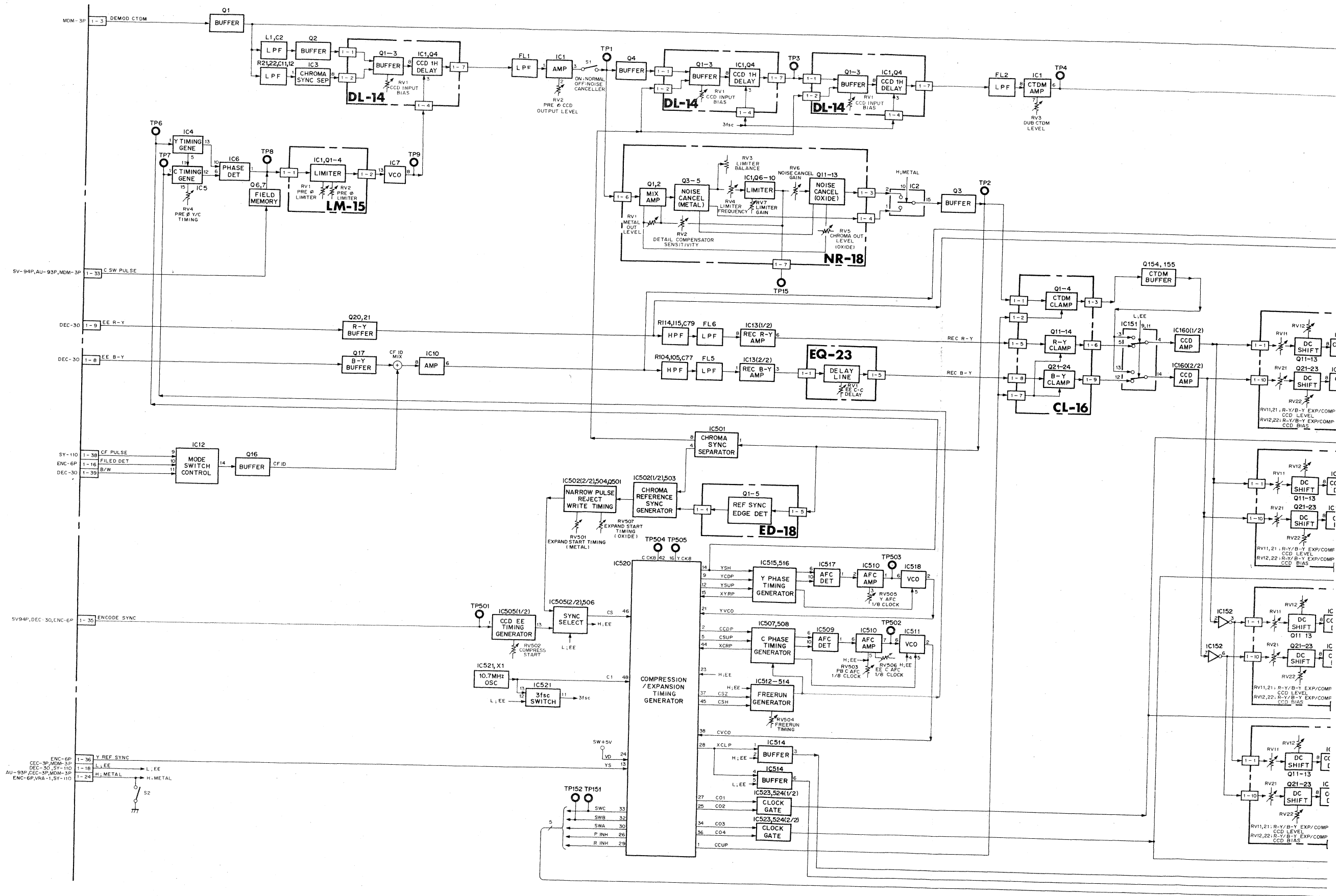


Y/C SEPARATOR Y/C SEPARATOR

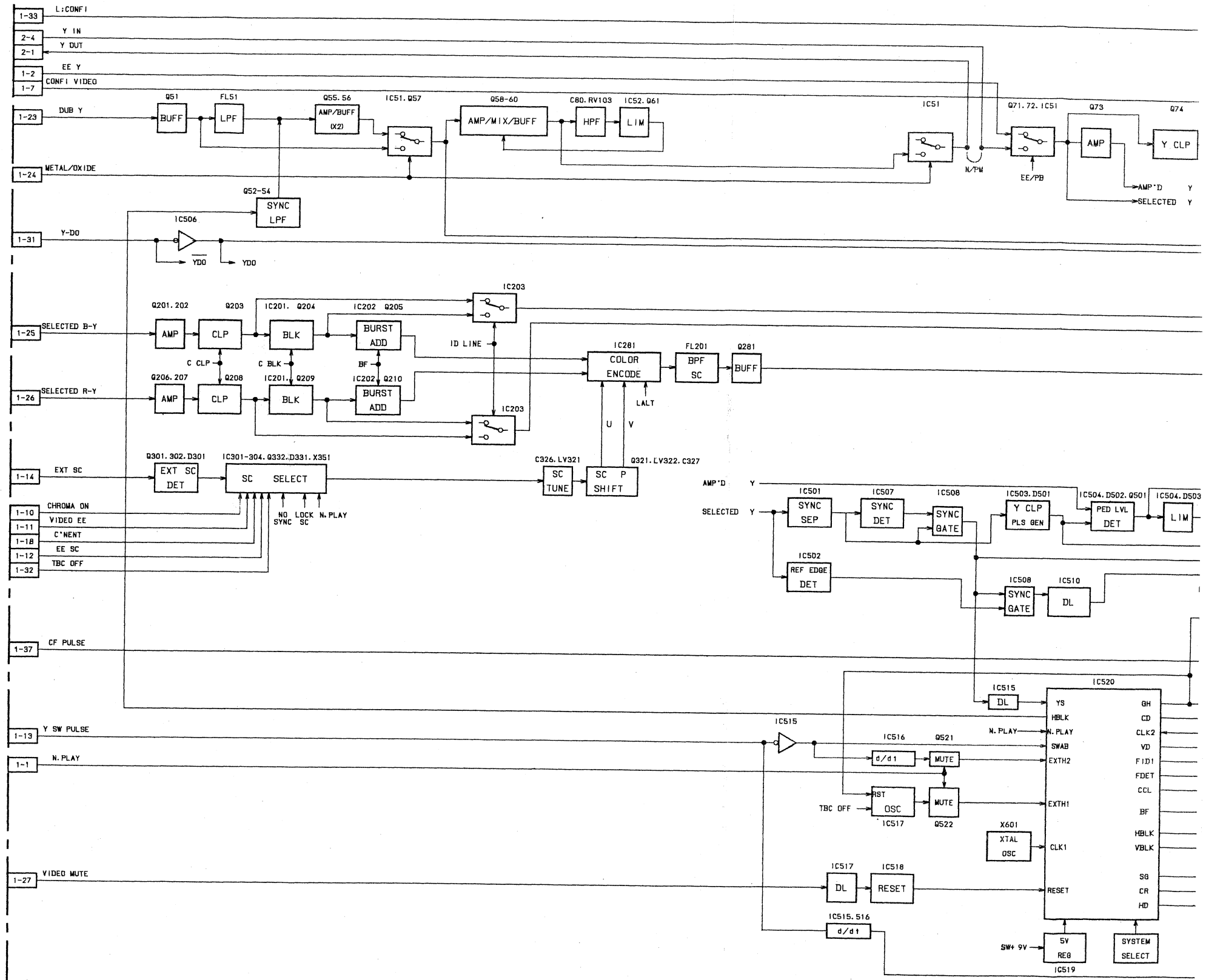
LUMINANCE/CHROMINANCE SIGNAL SEPARATOR



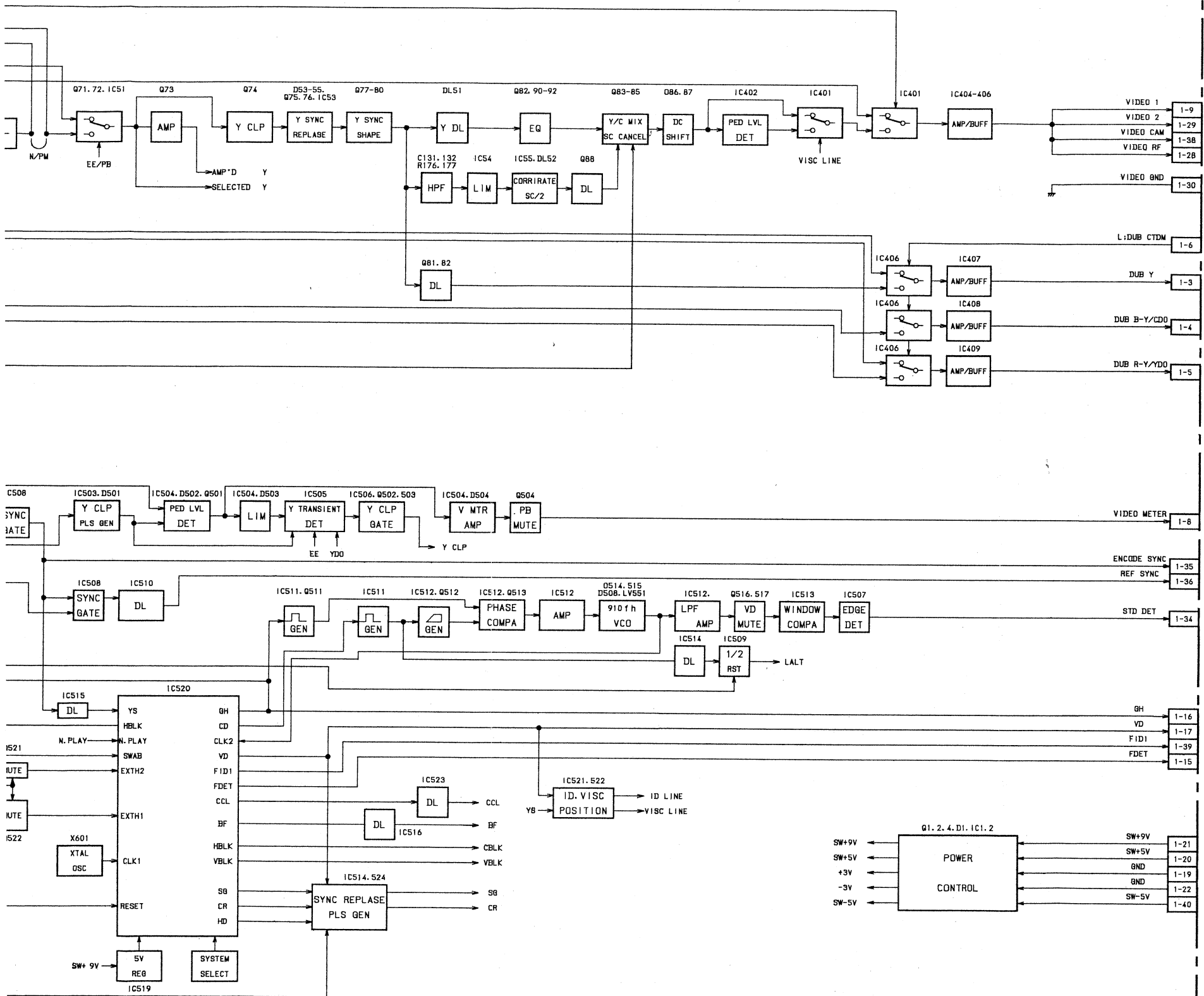




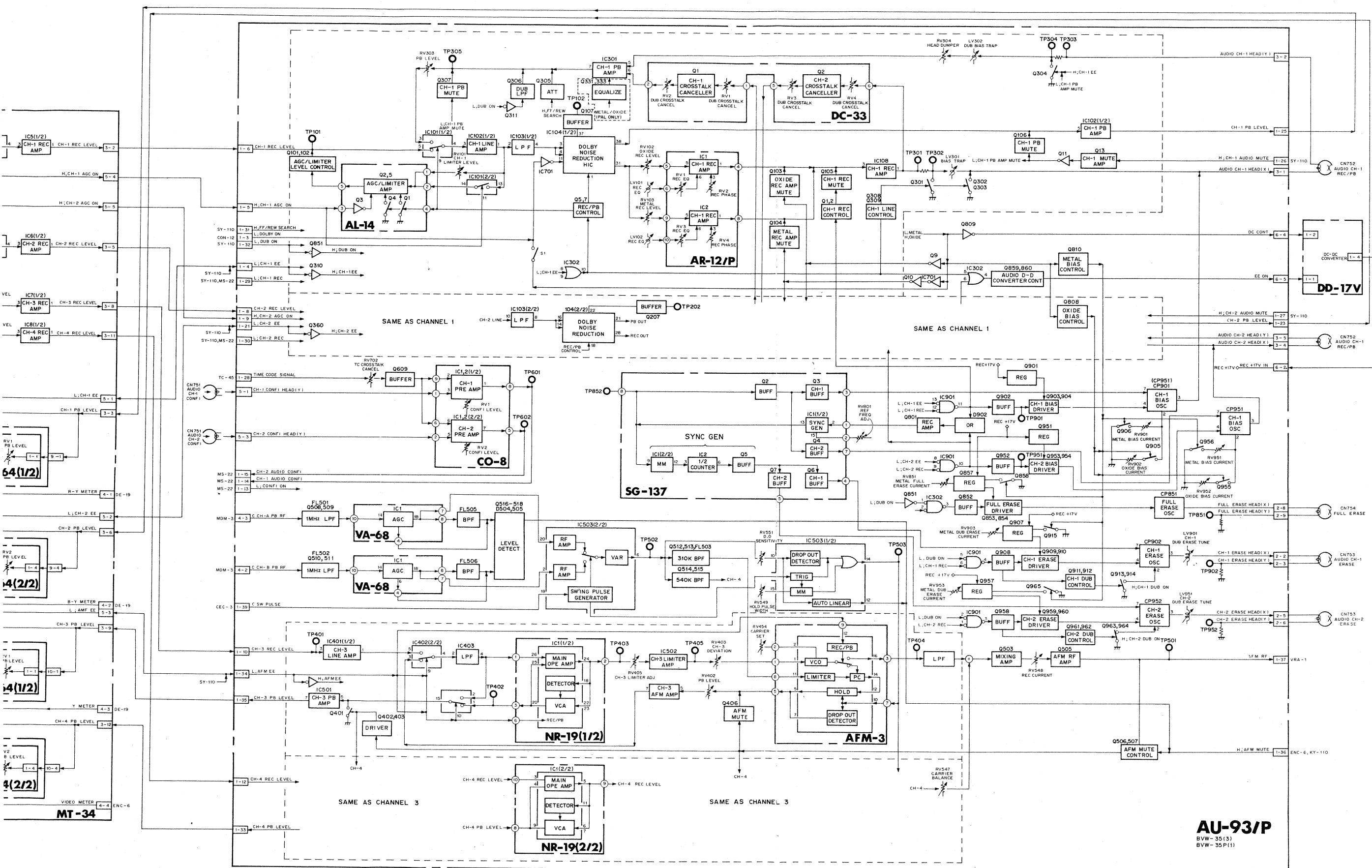
ENCODER ENCODER



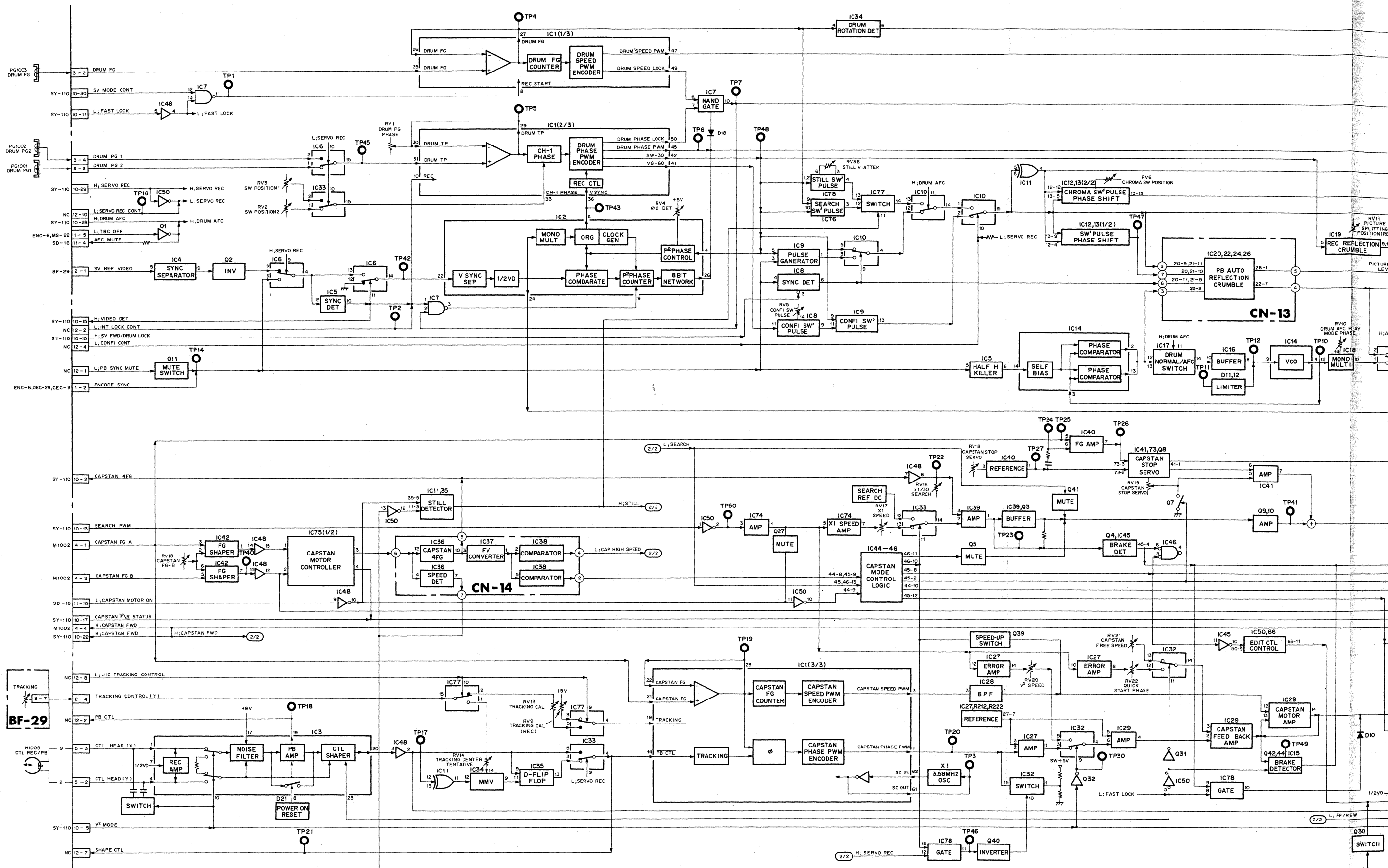
ENC-11/P/PM
BVW-35
BVW-35P
BVW-35PM



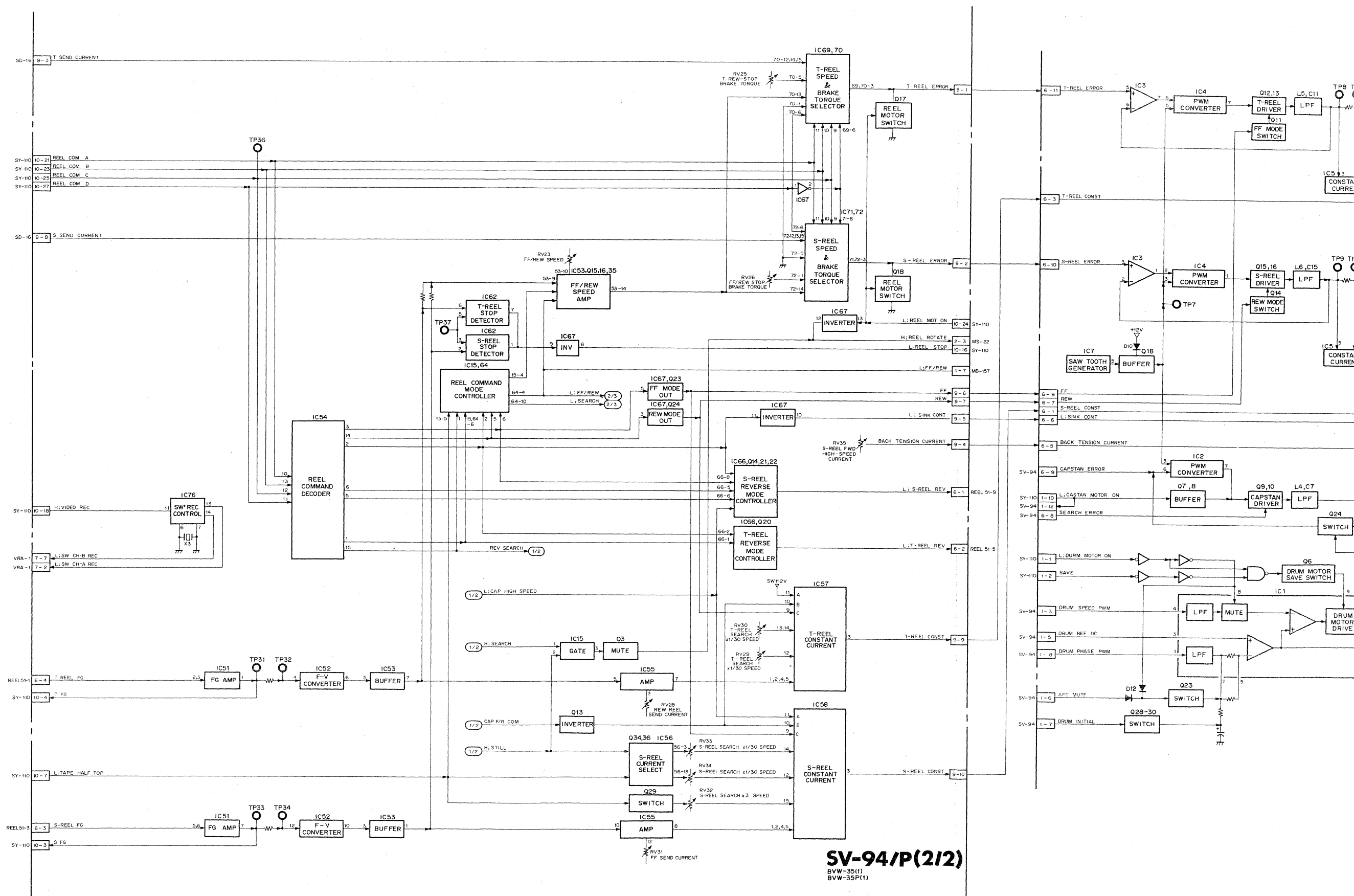


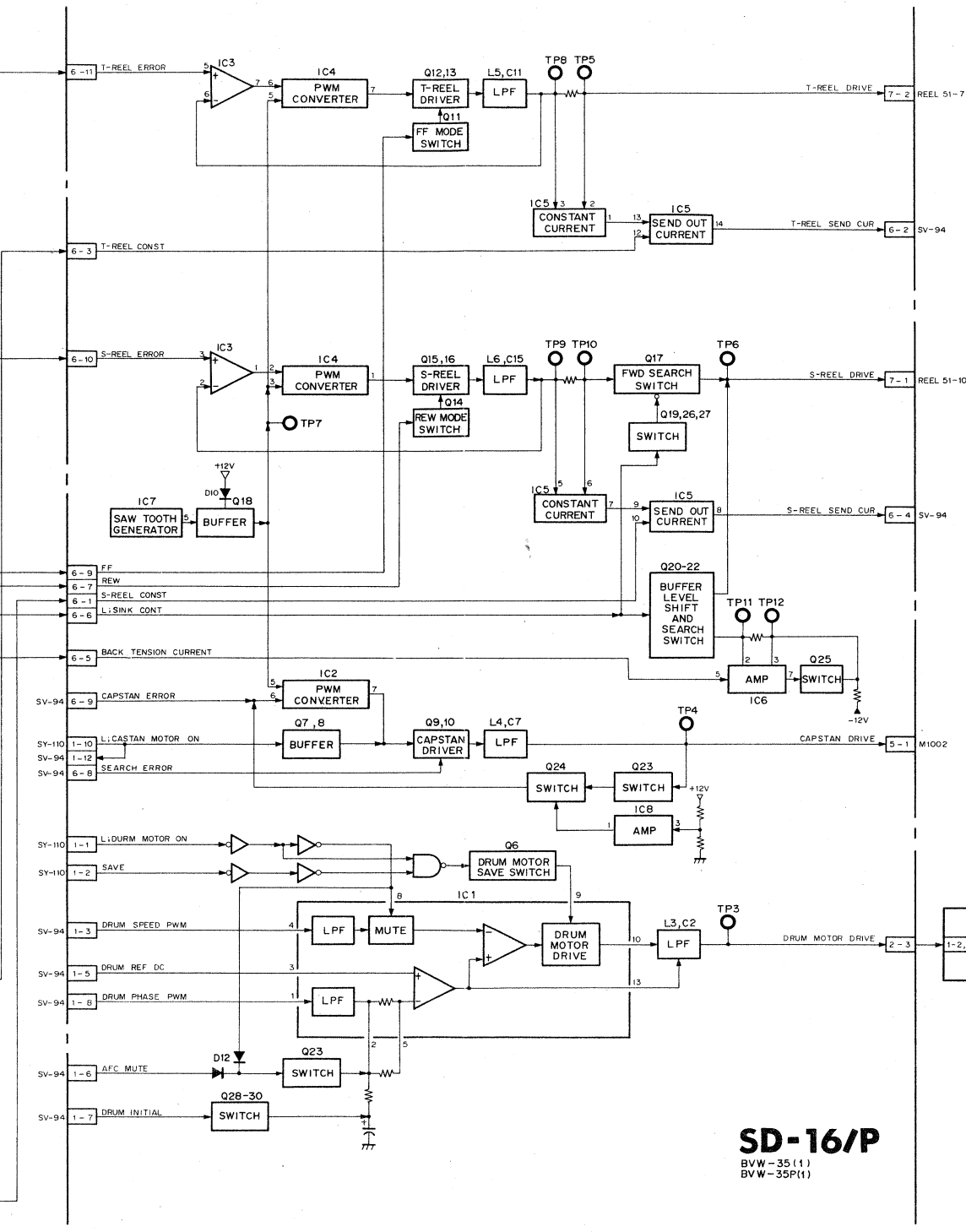
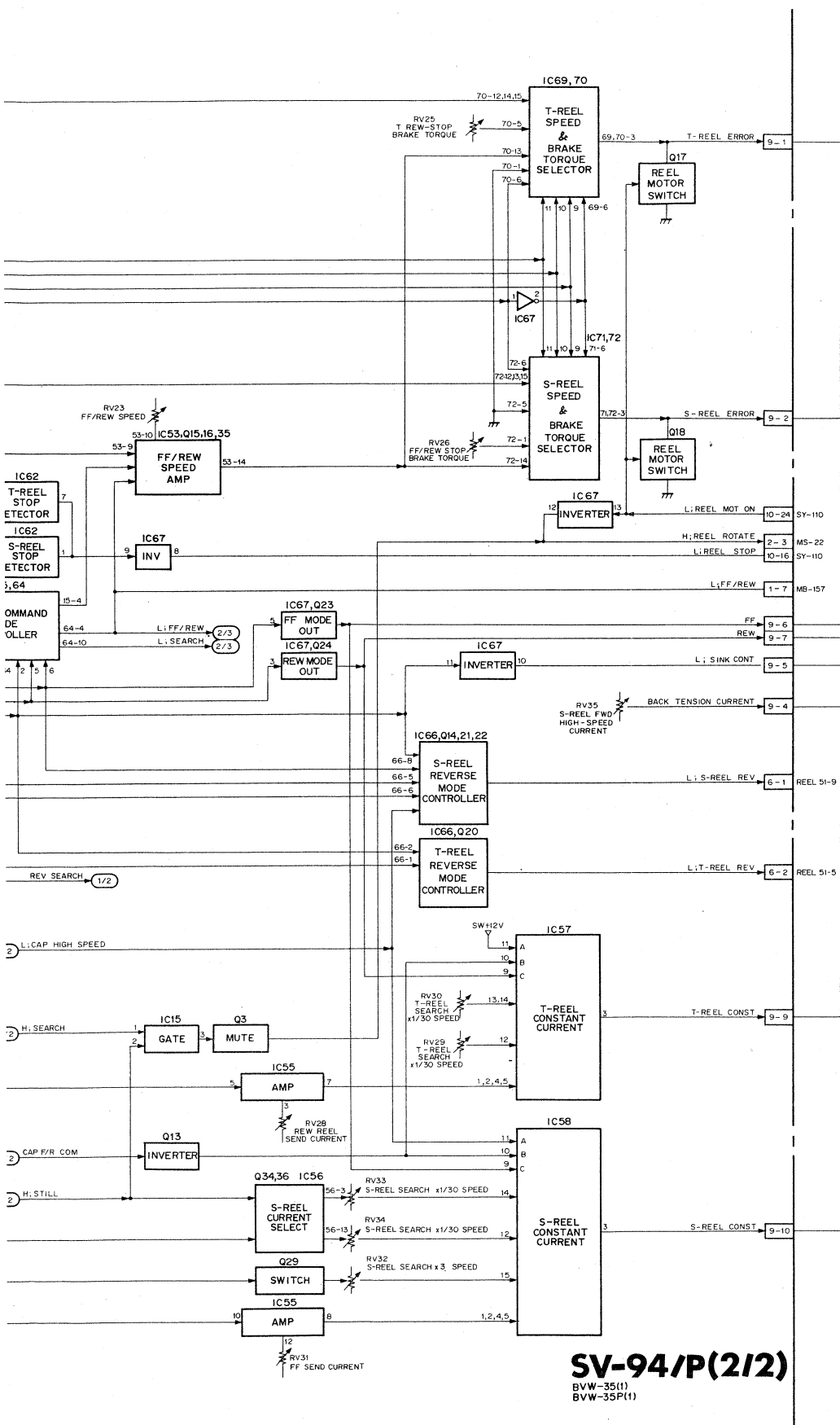


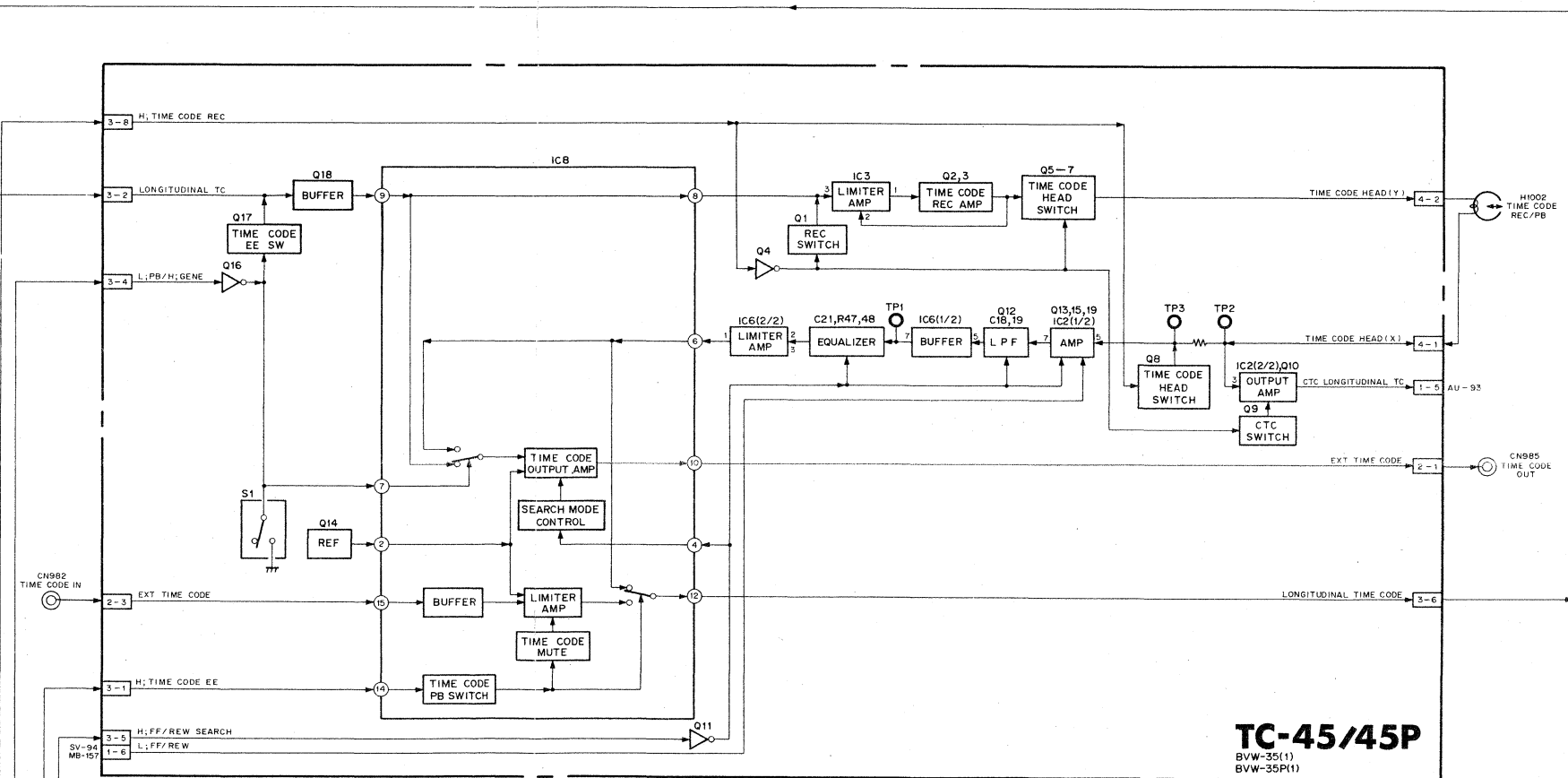
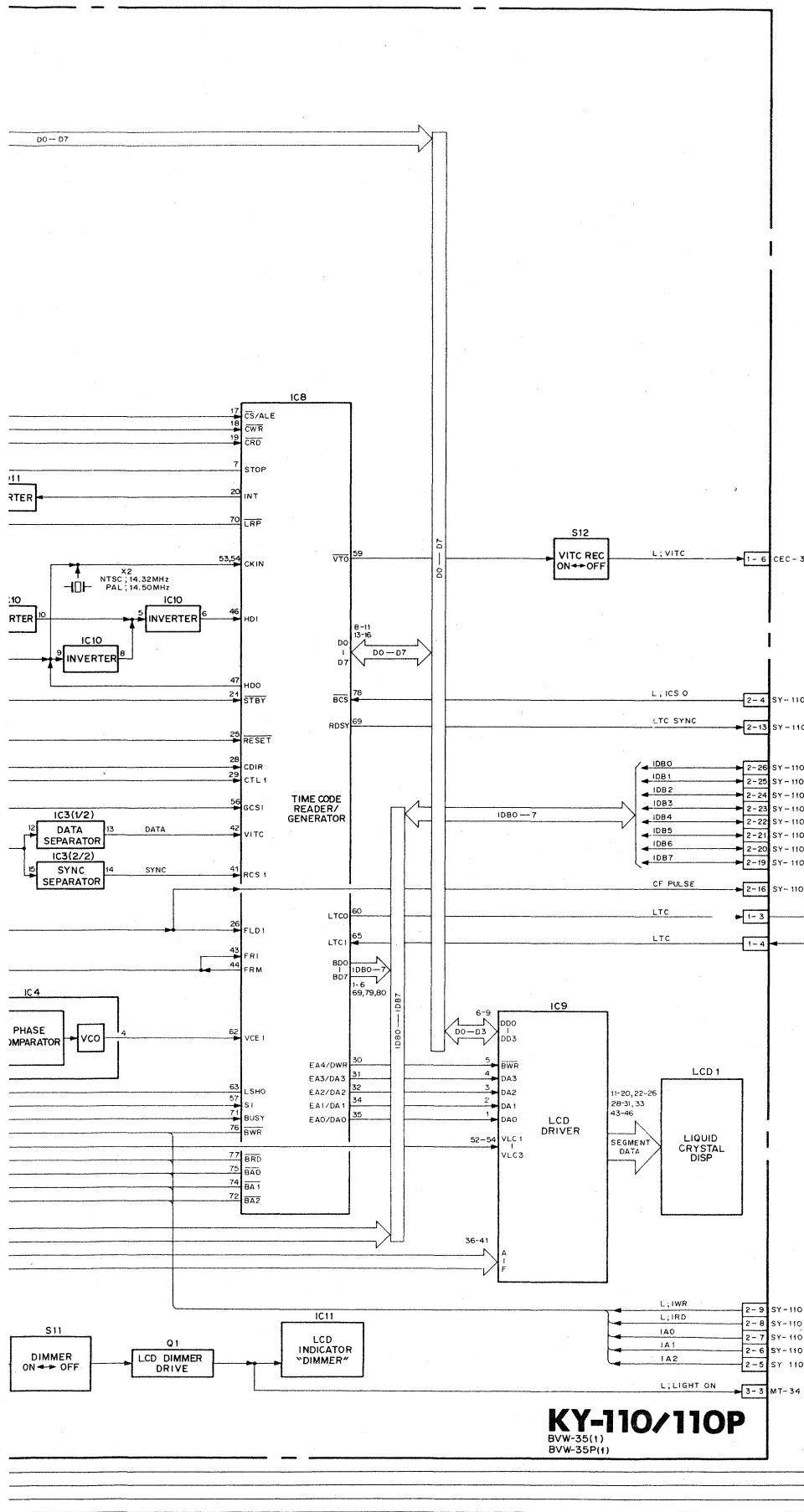
DRUM/CAPSTAN SERVO



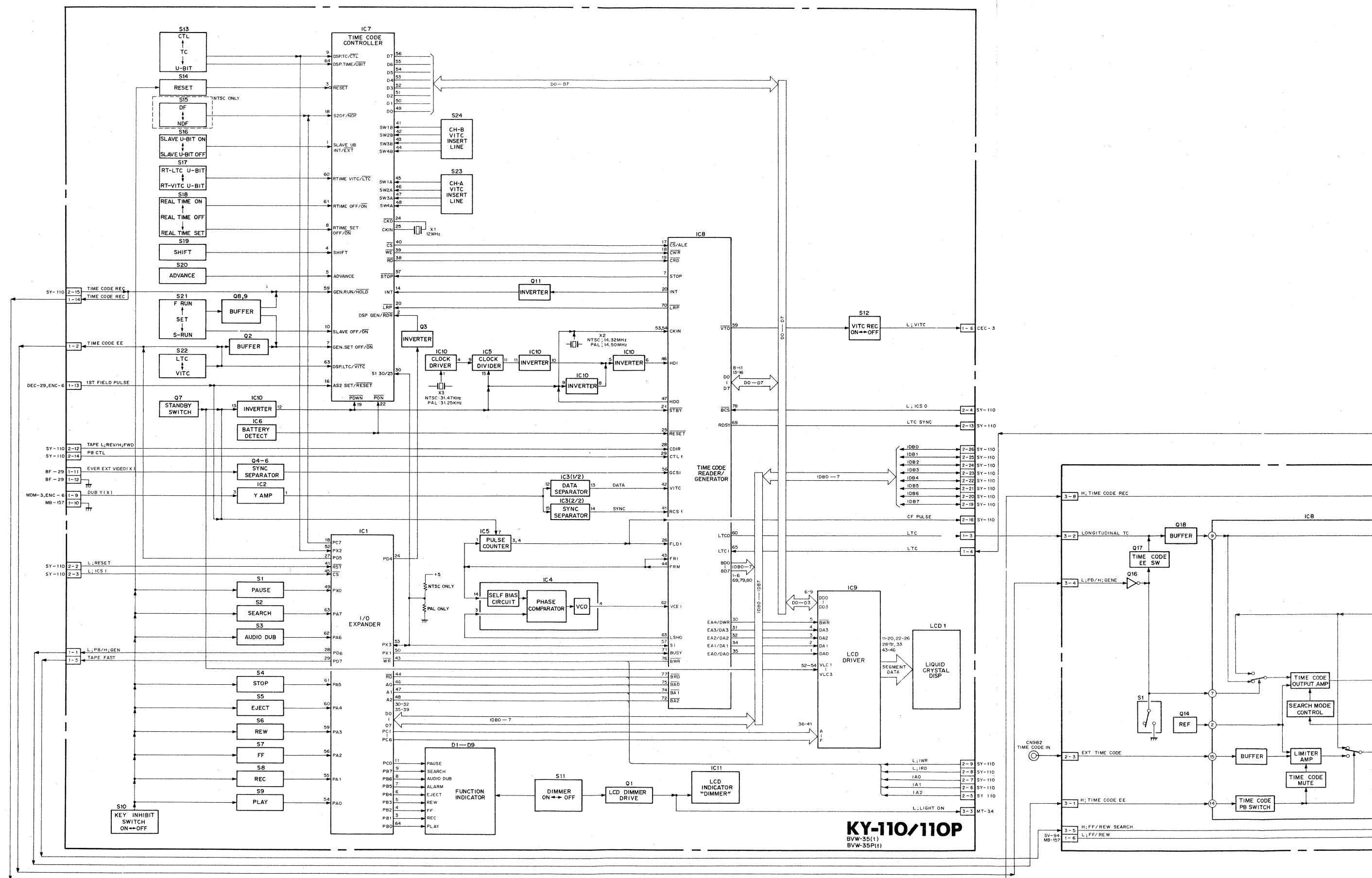


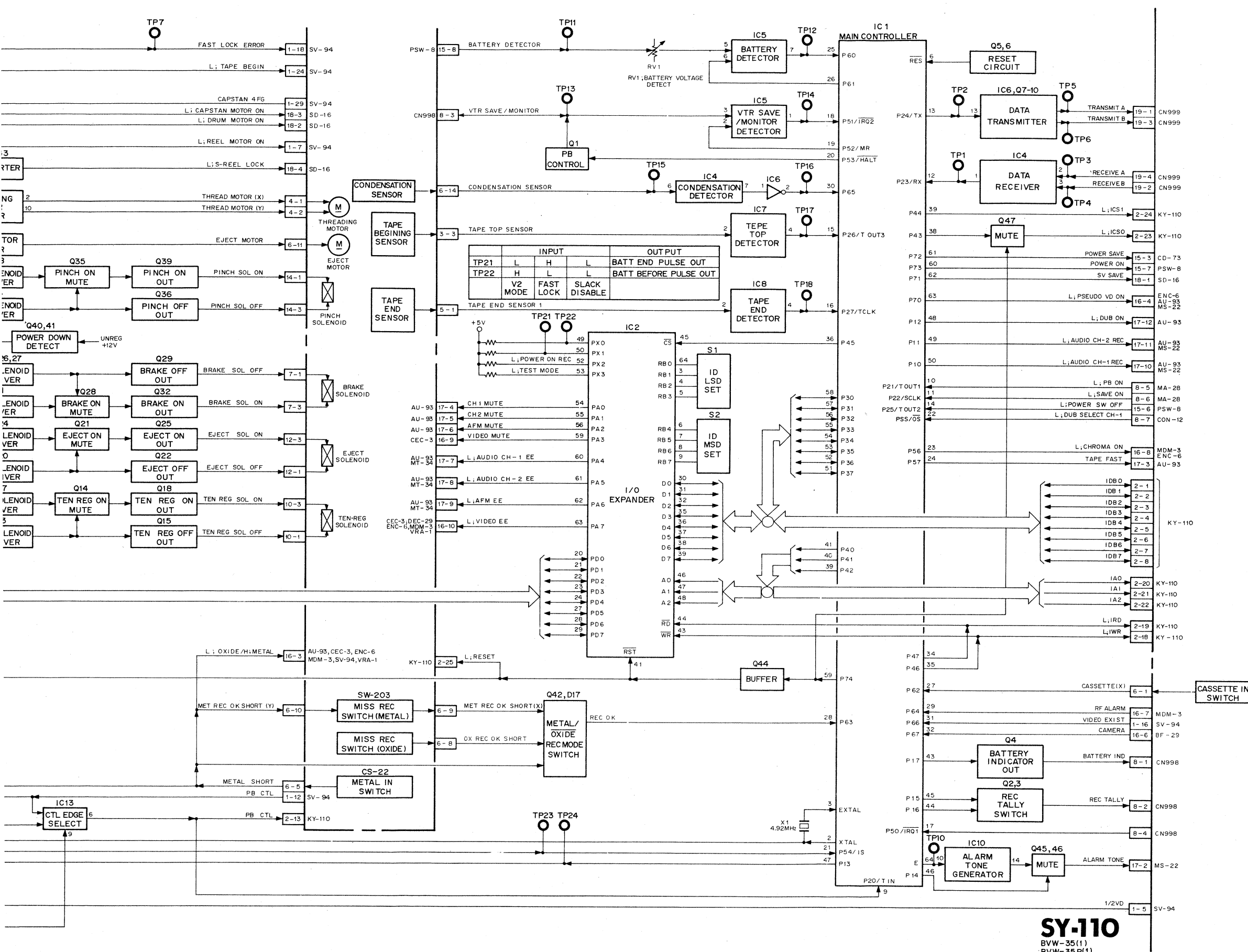






FUNCTION KEY, TIME CODE REC/PB AMPLIFIER





SYSTEM CONTROL **SYSTEM CONTROL**



SECTION 13

SEMICONDUCTOR ELECTRODES

ICs, transistors and diodes whose functions are equivalent are described here. Therefore, incompatible device names may be described together. For parts replacement, refer to the Spare Parts section in this manual.

IC	PAGE	IC	PAGE	IC	PAGE
AN3920K	13-3	SN74LS123NS	13-10	UPC393G2	13-9
AN3922NK	13-3	SN74LS221NS	13-11	UPC4558G2	13-10
AN608P	13-3	SN74LS74ANS	13-11	UPC78M05H	13-15
				UPD6111G	13-16
BX1154	13-4	TA7060AP	13-11		
BX3915A	13-4	TA7357AP	13-11		
		TC4001BF	13-11		
CX20004A	13-4	TC4011BF	13-11		
CX20099	13-4	TC4028BF	13-11		
CX20158	13-4	TC4030BF	13-11		
CX22013	13-4	TC4040BF	13-12		
CX22017	13-5	TC4050BF	13-12		
CX23084	13-5	TC4051BF	13-12		
CX7993A	13-6	TC4052BFHB	13-12		
CX850	13-6	TC4053BFHB	13-12		
CXA1020P	13-7	TC4069UBF	13-12		
CXA1039M	13-7	TC4071BF	13-12		
CXA1040M	13-7	TC4081BF	13-13		
CXA1041M	13-7	TC40H000F	13-13		
CXD1095Q	13-8	TC4538BF	13-13		
CXL5001M	13-8	TC504013BF	13-13		
		TC74HC00F	13-13		
HD14013BFP	13-8	TC74HC02F	13-13		
HD14046BP	13-9	TC74HC04F	13-13		
		TC74HC123F	13-14		
MC10H116M	13-9	TC74HC20F	13-14		
MC10H131M	13-9	TC74HC221F	13-14		
		TC74HC32F	13-14		
NJM1496M	13-9	TC74HC4538F	13-13		
NJM2041M-D	13-9	TC74HC74F	13-14		
NJM2043M-D	13-9	TC74HCU04F	13-13		
NJM2903M	13-9	TL082CPS	13-14		
NJM386M	13-9	TL084CNS	13-14		
NJM4558M	13-10	TL494CN	13-14		
NJM4560M	13-10				
NJM7805A	13-10	UA760HC	13-15		
NJM78L05A	13-10	UPC1037H	13-15		
NJM78L08A	13-10	UPC1663G	13-15		
NJM78M05A	13-10	UPC311G2	13-15		
NJM78M09A	13-10	UPC319G2	13-15		
		UPC324G2	13-15		
PA0009	13-10	UPC339G2	13-15		
		UPC358G2	13-15		

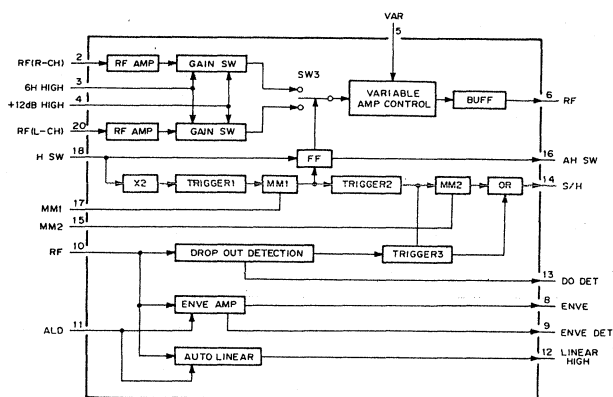
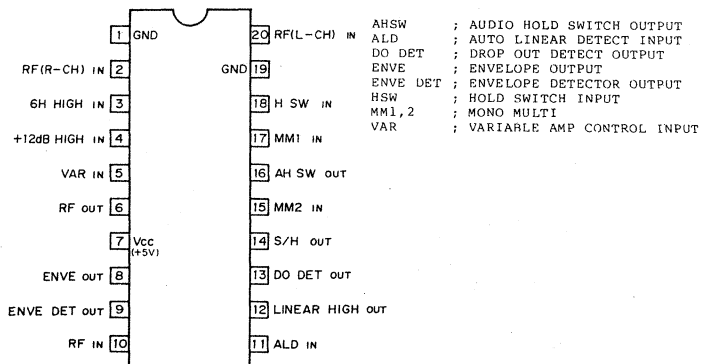
The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

TRANSISTOR	PAGE	DIODE	PAGE
2SA1162	13-17	10E-1	13-17
2SA1162G	13-17	10E-2	13-17
2SA1175	13-17	1S2835	13-17
2SA1213	13-17	1S2837	13-17
2SA1226	13-17	1SS119	13-17
2SA1242	13-17	1SS123	13-17
2SA1244	13-17	1SS99	13-17
2SA812	13-17	1T33	13-18
2SA937	13-17		
		BR5505S	13-18
2SB733	13-17	DA204K	13-17
2SB739	13-17	DAN202K	13-17
2SB798	13-17	DAP202K	13-17
2SB822	13-17		
		EBR3402S	13-18
2SC1009A	13-17	EQA02-???	13-18
2SC1623	13-17	ERB12-??	13-17
2SC2021	13-17	ERB81-004	13-17
2SC2223	13-17	ESAC33-02CS	13-18
2SC2230	13-17		
2SC2362K	13-17	FC52M	13-18
2SC2712	13-17		
2SC2714	13-17	GP08?	13-17
2SC2715	13-17		
2SC2785E	13-17	MA151WA	13-17
2SC3326	13-17	MA151WK	13-17
		MA153	13-17
2SD1030	13-17		
2SD1055	13-17	RD??EB?	13-18
2SD1160	13-17	RD??EL	13-18
2SD1164	13-17	RD??ESB?	13-18
2SD992	13-17	RD??FB?	13-18
		RD??MB	13-18
2SJ106G	13-17		
2SK209	13-17		
2SK94	13-17		
DTA114EK	13-17		
DTA144EK	13-17		
DTC114EK	13-17		
DTC144EK	13-17		
DTC144ES	13-17		
TX429M	13-17		

AN3920K (MATSUSHITA)

VTR FM AUDIO RF AMP

— TOP VIEW —



AN608P (MATSUSHITA)

WIDE BAND AMPLIFIER

— PRINTED SIDE VIEW —



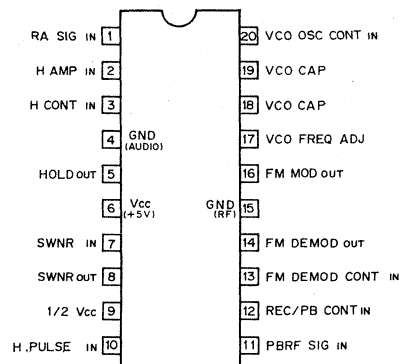
- 1: OUTPUT
2: Vcc (+12V)
3: INPUT
4: GND



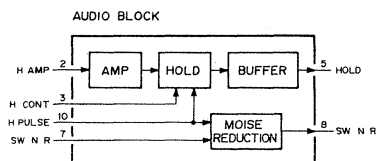
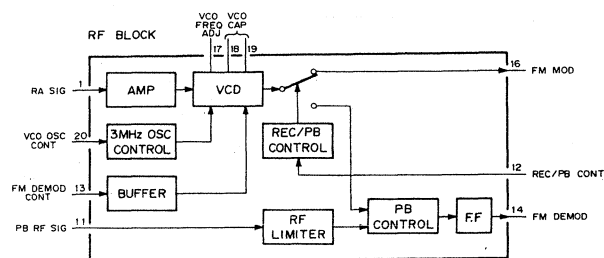
AN3922NK (MATSUSHITA)

VTR FM AUDIO MODULATOR AND DEMODULATOR

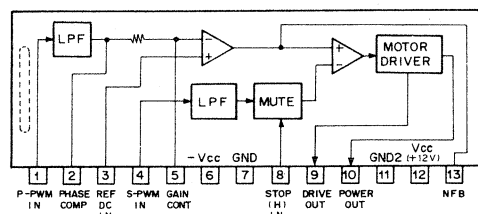
— TOP VIEW —



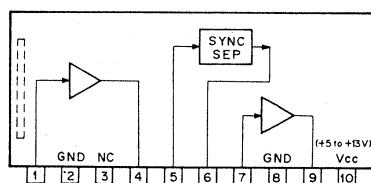
- FM DEMOD ; FM DEMODULATION OUTPUT
FM DEMOD CONT ; FM DEMODULATION CONTROL INPUT
FM MOD ; FM MODULATION OUTPUT
H AMP ; HOLD AMP INPUT
H CONT ; HOLD CONTROL INPUT
H PULSE ; HOLD PULSE INPUT
PBRF SIG ; PB RF SIGNAL INPUT
RA SIG ; REC AUDIO SIGNAL INPUT
REC/PB CONT ; REC/PB CONTROL INPUT
SWNR ; SWITCH NOISE REDUCTION INPUT/OUTPUT
VCO CAP ; VCO CAPACITOR
VCO FREQ ADJ ; VCO FREQUENCY ADJUSTMENT
VCO OSC CONT ; VCO OSCILLATION CONTROL INPUT



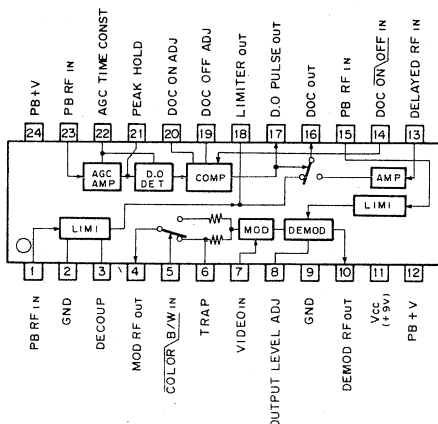
BX1154 (SONY)
DRUM PWM
— REAR VIEW —



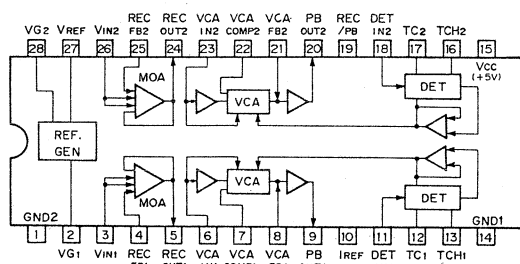
BX3915A (SONY)
SYNC SEPARATOR
— PRINTED SIDE —



CX20004A (SONY) FLAT PACKAGE
FM MOD/DEMODULATOR/DROPOUT COMPENSATOR
— TOP VIEW —

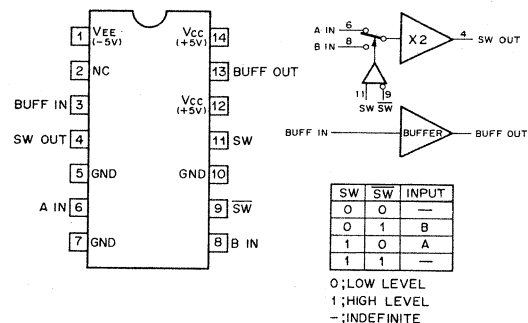


CX20099 (SONY)
VOLTAGE CONTROLLED AMP/DETECTOR/MAIN OPERATIONAL AMP
— TOP VIEW —

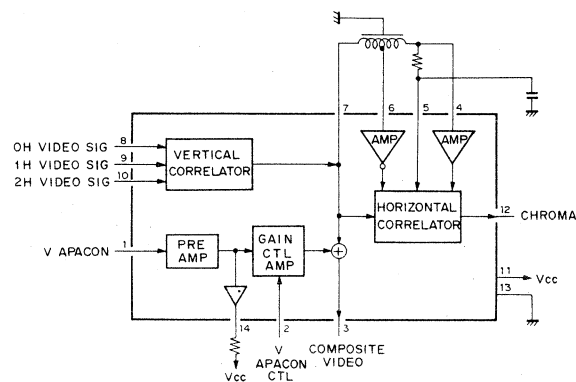
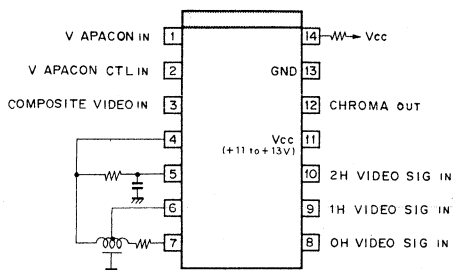


DET ; DETECTOR
TC ; TIME CONSTANT
TCH ; TIME CONSTANT HOLD
VCA ; VOLTAGE CONTROLLED AMP

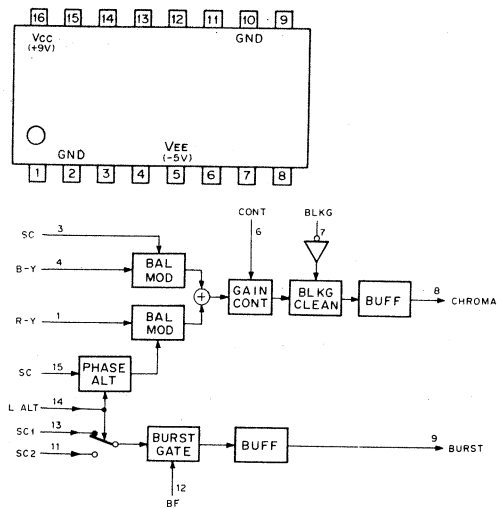
CX20158 (SONY)
VIDEO SWITCHER AND BUFFER
— TOP VIEW —



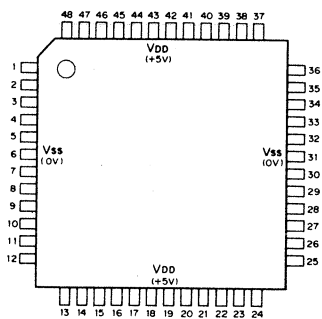
CX22013 (SONY)
DYNAMIC COMB FILTER
— TOP VIEW —



CX22017 (SONY)
VIDEO SIGNAL PROCESSOR
— TOP VIEW —

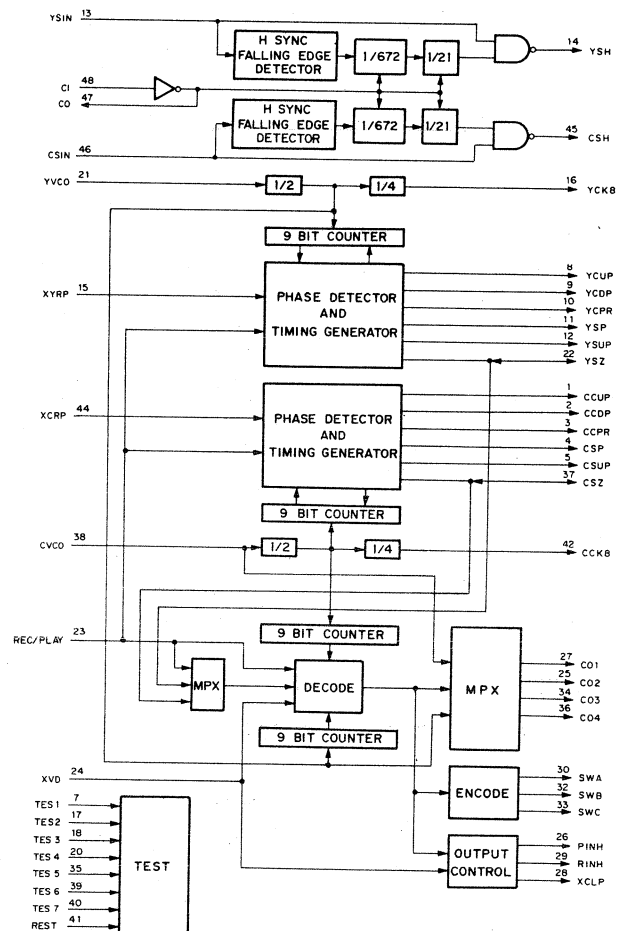
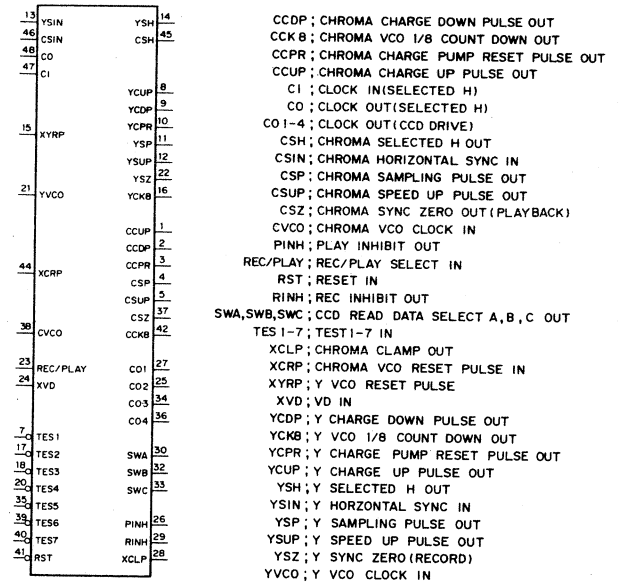


CX23084 (SONY) FLAT PACKAGE
C-MOS TIMING GENERATOR/CCD CLOCK GENERATOR
— TOP VIEW —

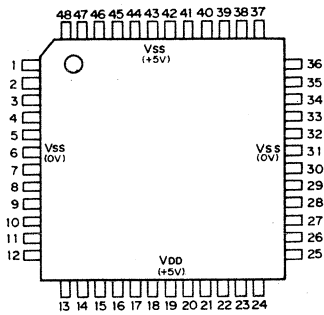


PIN ASSIGNMENT

PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
1			CCUP	13			YSIN	25			C02	37			CSZ
2			CCDP	14			YSH	26			PINH	38			CVCO
3			CCPR	15			XYRP	27			CO1K	39			TES 6
4			CSP	16			YCK8	28			XCLP	40			TES 7
5			CSUP	17			TES 2	29			RINH	41			RST
6			VSS	18			TES 3	30			SWA	42			CCK 8
7			TES 1	19			VDD	31			VSS	43			VDD
8			YCUP	20			TES 4	32			SWB	44			XCRP
9			YCDP	21			YVCO	33			SWC	45			CSH
10			YCPR	22			YSZ	34			CO 3	46			CSIN
11			YSP	23			REC/PLAY	35			TES 5	47			CO
12			YSUP	24			XVD	36			CO 4	48			CI

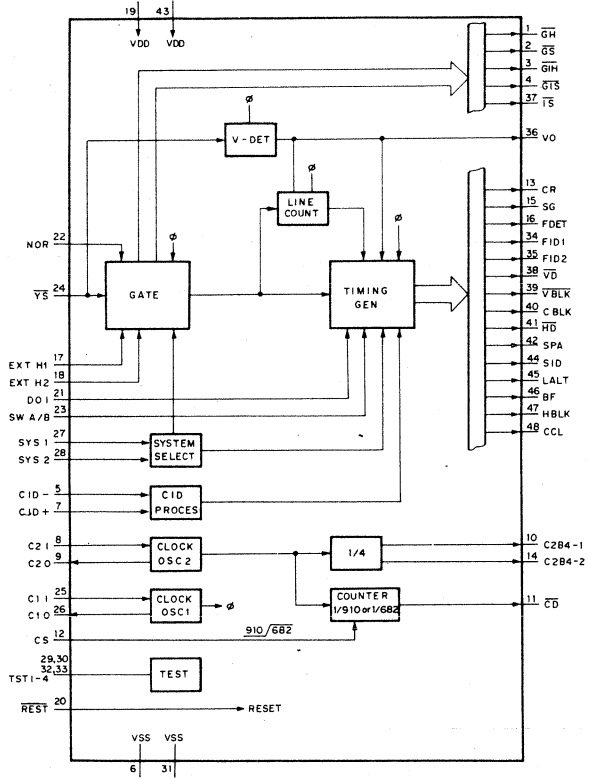


CX7993A (SONY) FLAT PACKAGE
C-MOS TIMING GENERATOR
— TOP VIEW —



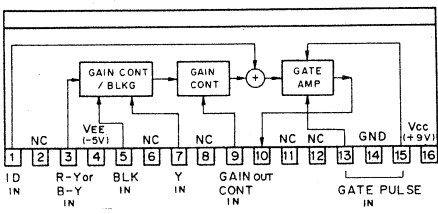
PIN ASSIGNMENT

PIN	IN	OUT	SYMBOL	PIN	IN	OUT	SYMBOL	PIN	IN	OUT	SYMBOL	PIN	IN	OUT	SYMBOL
1			GH	13			CR	25			C11	37			TS
2			GS	14			C2B4-2	26			C10	38			VD
3			GIH	15			SG	27			SYS 1	39			VBLK
4			GTS	16			FDET	28			SYS 2	40			CBLK
5			CID -	17			EXTH 1	29			T 1	41			RD
6			Vss	18			EXTH 2	30			T 2	42			SPA
7			CID +	19			VDD	31			Vss	43			VDD
8			C21	20			RST	32			T3	44			SID
9			C20	21			DOI	33			T4	45			LALT
10			C2B4-1	22			NOR	34			FID 1	46			BF
11			CD	23			SW A/B	35			FID 2	47			HBLK
12			CS	24			YS	36			VO	48			CCL

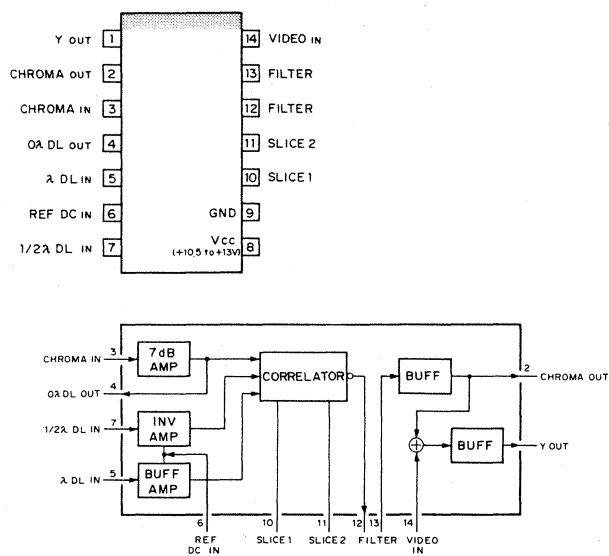


22	NOR	GH	1	BF	BURST FLAG OUT
24	YS	GS	2	C11	CLOCK 1 IN
		GIH	3	C10	CLOCK 1 OUT
17	EXTH 1	GIS	4	C2B4-1	CLOCK 2/4-1
18	EXTH 2	IS	37	C2B4-2	CLOCK 2/4-2
21	DOI			C21	CLOCK 2 IN
23	SW A/B	VO	36	C20	CLOCK 2 OUT
				CBLK	CHROMA BLANKING PULSE OUT
27	SYS 1	CR	13	CCL	CHROMA CLAMP
28	SYS 2	SG	15	CD	COUNT DOWN SIGNAL
		FDET	16	CID+, CID-	CHROMA ID +, - IN
5	CID(-)	FID 1	34	CR	CORRECT SYNC OUT
7	CID(+)	FID 2	35	CS	COUNTER SELECT IN
		VD	38	EXTH 1	EXTERNAL H-1
8	C21	VBLK	39	EXTH 2	EXTERNAL H-2
9	C20	CBLK	40	FDET	FRAME DET OUT
		HD	41	FID1 FID2	FRAME ID 1,2 OUT
25	C11	SPA	42	GH	GATED H OUT
26	C10	SID	44	GIH	GATE/INTERPOLATED H OUT
		LALT	45	GIS	GATE/INTERPOLATED SYNC OUT
12	CS	BF	46	GS	GATED SYNC OUT
		HBLK	47	HBLK	H-BLANKING PULSE OUT
29	TST 1	CCL	48	HD	HD OUT
30	TST 2			IS	INTERPOLATED SYNC OUT
32	TST 3	C2B4-1	10	LALT	LINE ALTERNATE OUT
33	TST 4	C2B4-2	14	NOR	MODE SELECT (NORMAL/SERCH) IN
20	RST	CD	11	RST	RESET IN
				SG	SYNC GATE OUT
				SID	SECAM ID OUT
				SPA	SECAM PHASE ALTERNATE OUT
				SW A/B	Y SWITCHING PULSE A/B IN
				SYS1, SYS2	SYSTEM SELECT 1,2 IN
				TST1, TST2	TEST 1, TEST 2
				VBLK	V-BLANKING PULSE OUT
				VD	VD OUT
				VO	V OUT
				YS	Y SYNC OUT

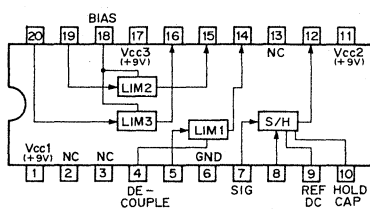
CX850 (SONY)
VIDEO SIGNAL PROCESSOR
— PRINTED SIDE VIEW —



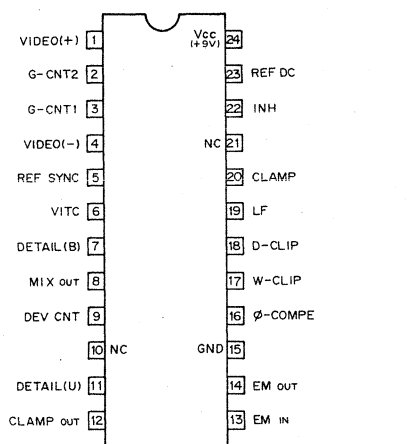
CXA1020P (SONY)
CHROMA CROSS-COLOR NOISE REDUCER/EDGE COMPENSATOR
— TOP VIEW —



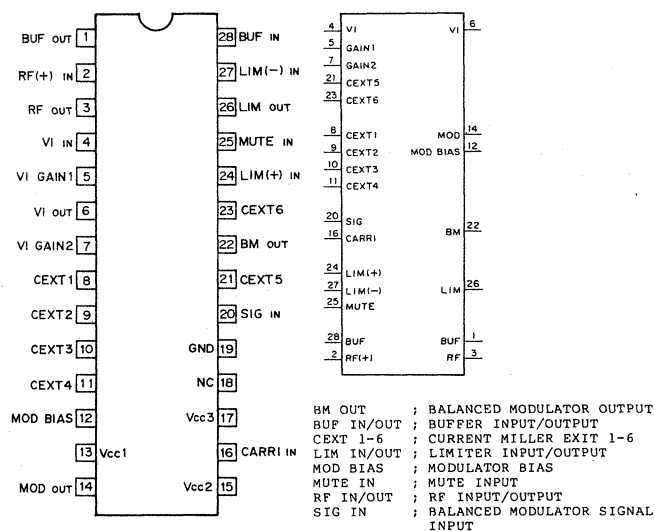
CXA1039M (SONY) FLAT PACKAGE
DETAIL ENHANCER LIMITER
— TOP VIEW —



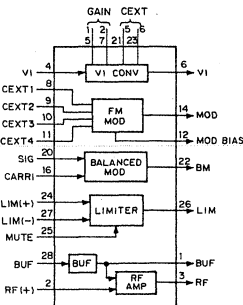
CXA1040M (SONY) MINI FLAT PACKAGE
VIDEO SIGNAL PROCESSOR
— TOP VIEW —



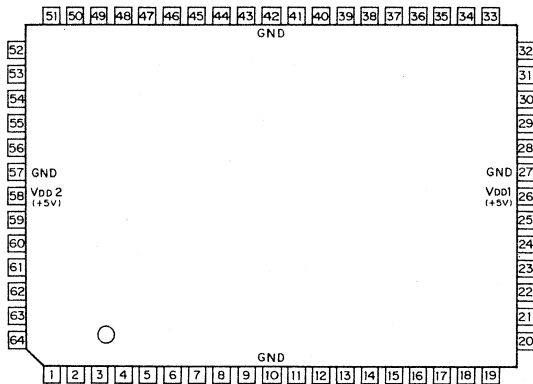
CXA1041M (SONY) MINI FLAT PACKAGE
FM MODULATOR
— TOP VIEW —



BM OUT ; BALANCED MODULATOR OUTPUT
BUF IN/OUT ; BUFFER INPUT/OUTPUT
CEXT 1-6 ; CURRENT MILLER EXIT 1-6
LIM IN/OUT ; LIMITER INPUT/OUTPUT
MOD BIAS ; MODULATOR BIAS
MUTE IN ; MUTE INPUT
RF IN/OUT ; RF INPUT/OUTPUT
SIG IN ; BALANCED MODULATOR SIGNAL INPUT



CXD1095Q (SONY) FLAT PACKAGE
C-MOS I/O PORT EXPANDER
— TOP VIEW —



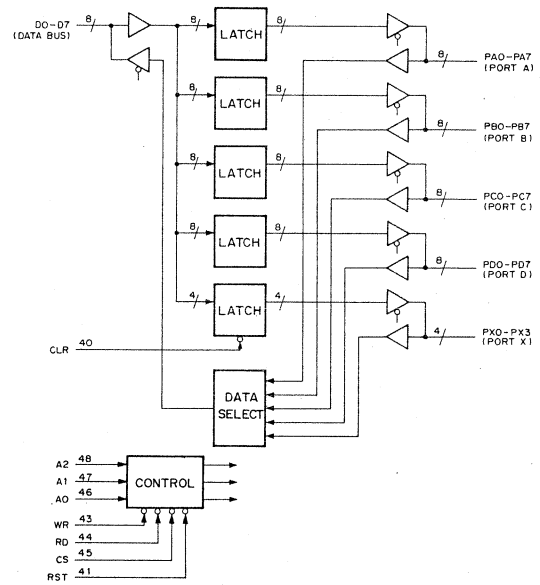
PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
1			NC	17	O	O	PC6	33			NC	49	O	O	PX0
2			NC	18	O	O	PC7	34			NC	50	O	O	PX1
3	O	O	PB1	19			NC	35	O	O	D3	51			NC
4	O	O	PB2	20	O	O	PD0	36	O	O	D4	52	O	O	PX2
5	O	O	PB3	21	O	O	PD1	37	O	O	D5	53	O	O	PX3
6	O	O	PB4	22	O	O	PD2	38	O	O	D6	54	O	O	PA0
7	O	O	PB5	23	O	O	PD3	39	O	O	D7	55	O	O	PA1
8	O	O	PB6	24	O	O	PD4	40			CLR	56	O	O	PA2
9	O	O	PB7	25			GND	41			RST	57			GND
10			GND	26	O		VDD(+5V)	42			GND	58	O		VDD(+5V)
11	O	O	PC0	27	O	O	PD5	43	O		WR	59	O	O	PA3
12	O	O	PC1	28	O	O	PD6	44	O		RD	60	O	O	PA4
13	O	O	PC2	29	O	O	PD7	45	O		CS	61	O	O	PA5
14	O	O	PC3	30	O	O	D0	46	O		A0	62	O	O	PA6
15	O	O	PC4	31	O	O	D1	47	O		A1	63	O	O	PA7
16	O	O	PC5	32	O	O	D2	48	O		A2	64	O	O	PB0

PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
1			NC	17	O	O	PC6	33			NC	49	O	O	PX0
2			NC	18	O	O	PC7	34			NC	50	O	O	PX1
3	O	O	PB1	19			NC	35	O	O	D3	51			NC
4	O	O	PB2	20	O	O	PD0	36	O	O	D4	52	O	O	PX2
5	O	O	PB3	21	O	O	PD1	37	O	O	D5	53	O	O	PX3
6	O	O	PB4	22	O	O	PD2	38	O	O	D6	54	O	O	PA0
7	O	O	PB5	23	O	O	PD3	39	O	O	D7	55	O	O	PA1
8	O	O	PB6	24	O	O	PD4	40			CLR	56	O	O	PA2
9	O	O	PB7	25			GND	41			RST	57			GND
10			GND	26	O		VDD(+5V)	42			GND	58	O		VDD(+5V)
11	O	O	PC0	27	O	O	PD5	43	O		WR	59	O	O	PA3
12	O	O	PC1	28	O	O	PD6	44	O		RD	60	O	O	PA4
13	O	O	PC2	29	O	O	PD7	45	O		CS	61	O	O	PA5
14	O	O	PC3	30	O	O	D0	46	O		A0	62	O	O	PA6
15	O	O	PC4	31	O	O	D1	47	O		A1	63	O	O	PA7
16	O	O	PC5	32	O	O	D2	48	O		A2	64	O	O	PB0

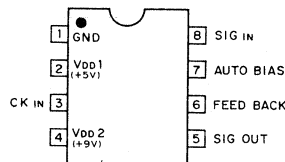
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z; HIGH IMPEDANCE

DO-D7; DATA BUS INPUTS/OUTPUTS
CS; CHIP SELECT INPUT
RD; READ STROBE INPUT
WR; WRITE STROBE INPUT
A0-A2; ADDRESS INPUT
RST; RESET INPUT
CLR; CLEAR INPUT

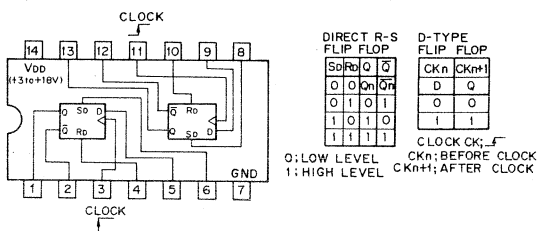
PA0-PA7; PORT A INPUTS/OUTPUTS
PB0-PB7; PORT B INPUTS/OUTPUTS
PC0-PC7; PORT C INPUTS/OUTPUTS
PD0-PD7; PORT D INPUTS/OUTPUTS
PX0-PX3; PORT X INPUTS/OUTPUTS



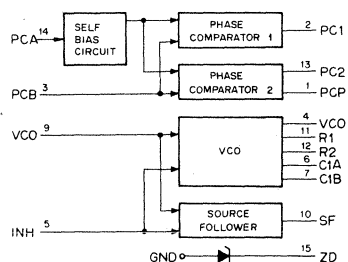
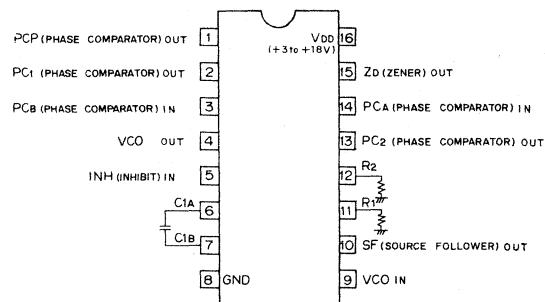
CXL5001M (SONY) FLAT PACKAGE
C-MOS CCD FOR NTSC 1H DELAY LINE
— TOP VIEW —



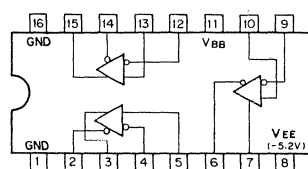
HD14013BFP (HITACHI) FLAT PACKAGE
C-MOS D-TYPE FLIP-FLOP WITH DIRECT SET/RESET
— TOP VIEW —



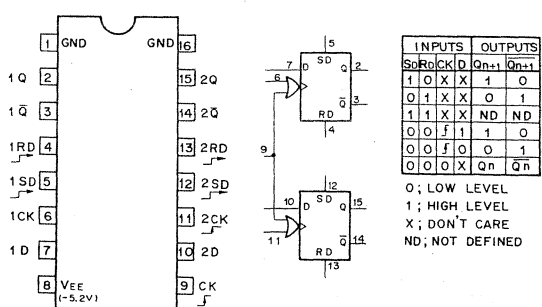
HD14046BP (HITACHI)
C-MOS PHASE LOCKED LOOP
— TOP VIEW —



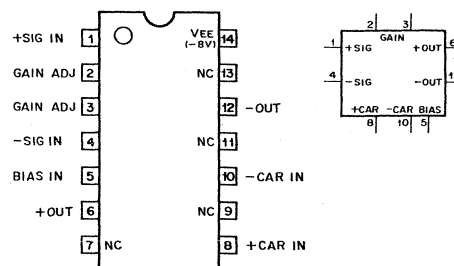
MC10H116M (MOTOROLA) FLAT PACKAGE
ECL DIFFERENTIAL OR/NOR LINE RECEIVER
— TOP VIEW —



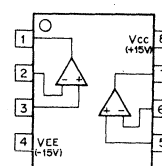
MC10H131M (MOTOROLA) FLAT PACKAGE
ECL D-TYPE FLIP FLOP
— TOP VIEW —



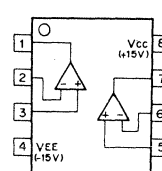
NJM1496M (JRC) FLAT PACKAGE
BALANCED MODULATOR/DEMODULATOR
— TOP VIEW —



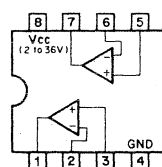
NJM2041M-D (JRC) FLAT PACKAGE
OPERATIONAL AMPLIFIER
— TOP VIEW —



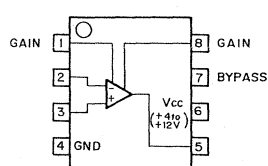
NJM2043M-D (JRC) FLAT PACKAGE
OPERATIONAL AMPLIFIER
— TOP VIEW —



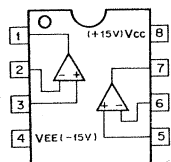
NJM2903M (JRC) FLAT PACKAGE
uPC393G2 (NEC) FLAT PACKAGE
VOLTAGE COMPARATOR
— TOP VIEW —



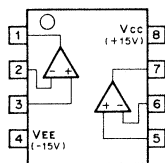
NJM386M (JRC) FLAT PACKAGE
AUDIO POWER AMPLIFIER
— TOP VIEW —



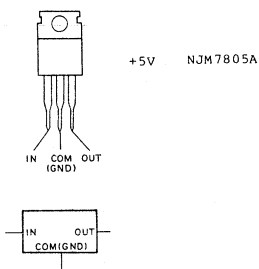
NJM4558M (JRC) FLAT PACKAGE
 uPC4558G2 (NEC) FLAT PACKAGE
 OPERATIONAL AMPLIFIER
 — TOP VIEW —



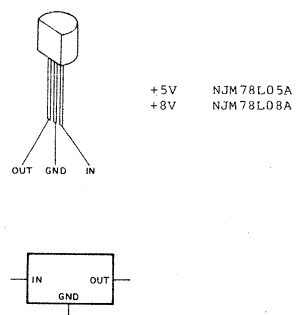
NJM4560M (JRC) FLAT PACKAGE
 OPERATIONAL AMPLIFIER
 — TOP VIEW —



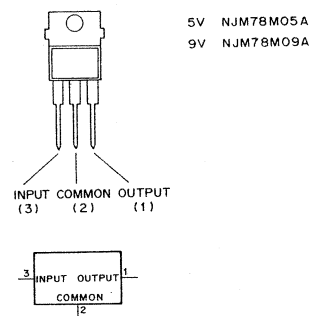
NJM7805A(JRC)
 POSITIVE VOLTAGE REGULATOR (1A)
 — SIDE VIEW —



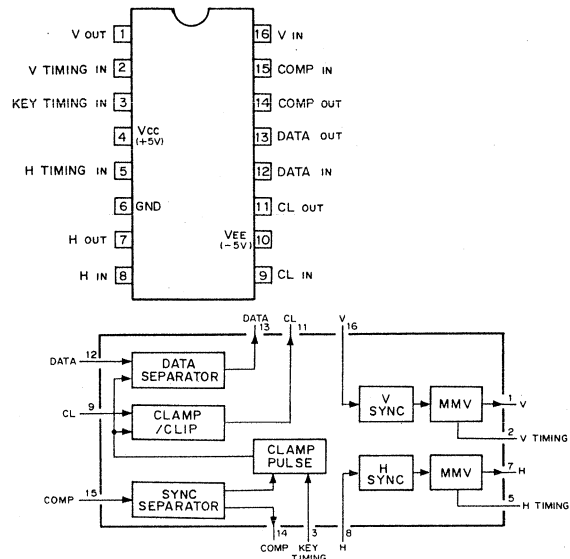
NJM78L05A(JRC)
 NJM78L09A(JRC)
 POSITIVE VOLTAGE REGULATOR (100mA)



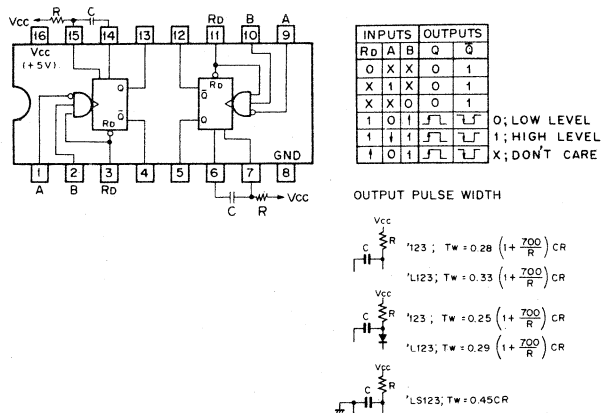
NJM78M05A(JRC)
 NJM78M09A(JRC)
 POSITIVE VOLTAGE REGULATOR (500mA)
 — FRONT VIEW —



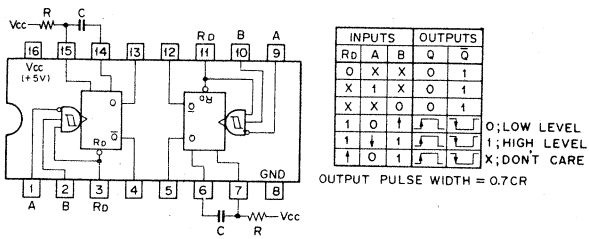
PA0009 (PIONEER)
 SIGNAL SEPARATOR
 — TOP VIEW —



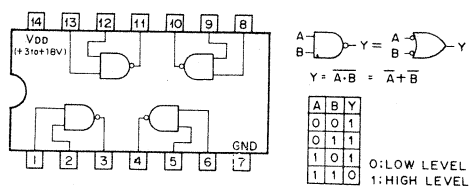
SN74LS123NS (TI) FLAT PACKAGE
 TTL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR WITH DIRECT RESET



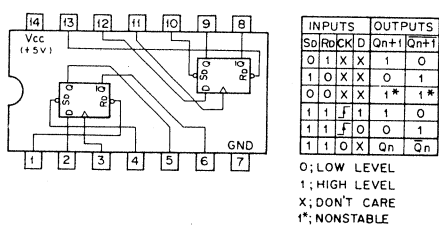
SN74LS221NS (TI) FLAT PACKAGE
TTL MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT
— TOP VIEW —



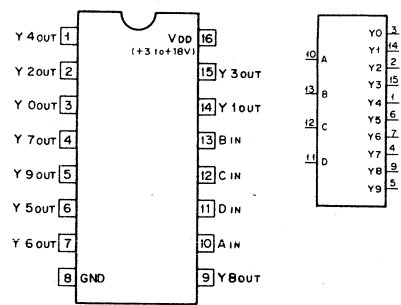
TC4011BF (TOSHIBA) FLAT PACKAGE
C-MOS 2-INPUT NAND GATE
— TOP VIEW —



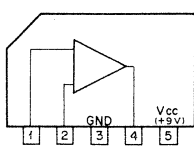
SN74LS74ANS (TI) FLAT PACKAGE
TTL D-TYPE FLIP FLOP WITH DIRECT SET/RESET
— TOP VIEW —



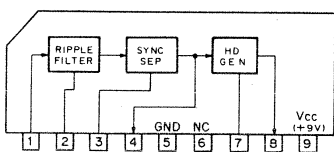
TC4028BF (TOSHIBA) FLAT PACKAGE
C-MOS BCD TO DECIMAL DECODER
— TOP VIEW —



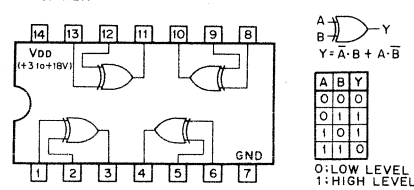
TA7060AP (TOSHIBA)
LINEAR AMP
— SIDE VIEW —



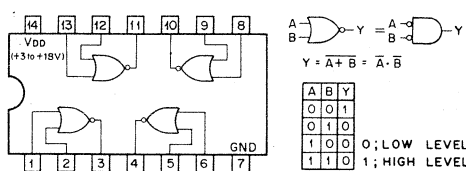
TA7357AP (TOSHIBA)
SYNC SEPARATOR/HD PULSE GENERATOR
— SIDE VIEW —



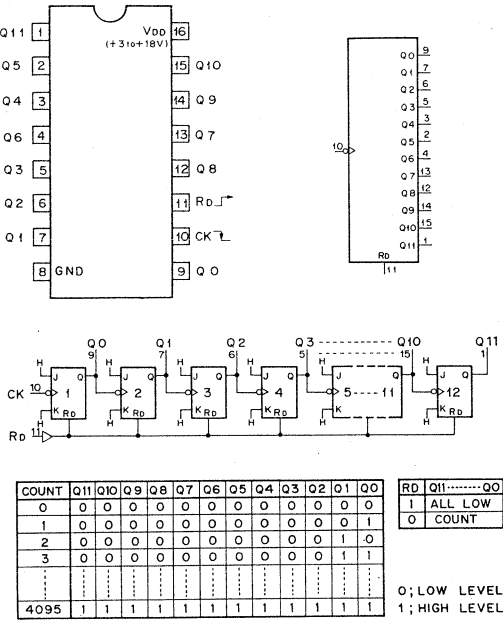
TC4030BF (TOSHIBA) FLAT PACKAGE
C-MOS EXCLUSIVE OR GATE
— TOP VIEW —



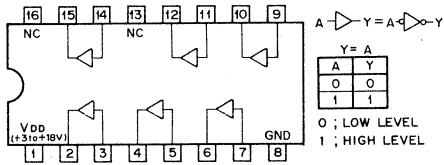
TC4001BF (TOSHIBA) FLAT PACKAGE
C-MOS 2-INPUT NOR GATE
— TOP VIEW —



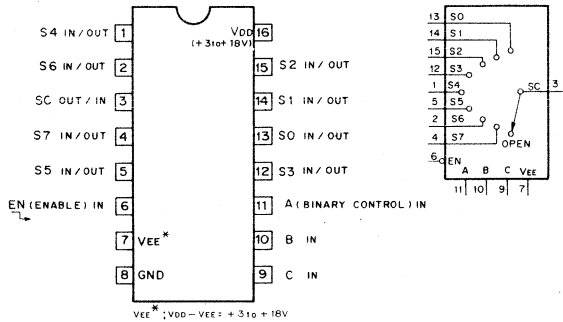
TC4040BF (TOSHIBA) FLAT PACKAGE
C-MOS 12-STAGE RIPPLE CARRY BINARY COUNTER/DRIVER
— TOP VIEW —



TC4050BF (TOSHIBA) FLAT PACKAGE
C-MOS NON-INVERTING TYPE BUFFER/CONVERTER
— TOP VIEW —



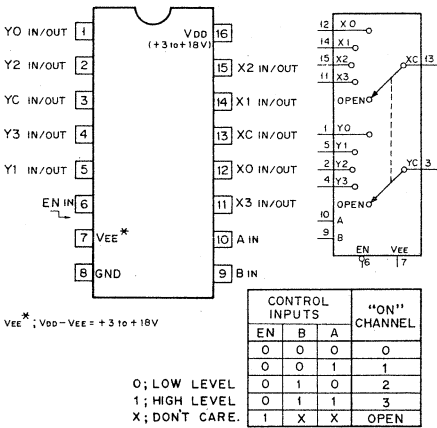
TC4051BF (TOSHIBA) FLAT PACKAGE
C-MOS 8-CHANNEL MULTIPLEXER/DEMULPLEXER
— TOP VIEW —



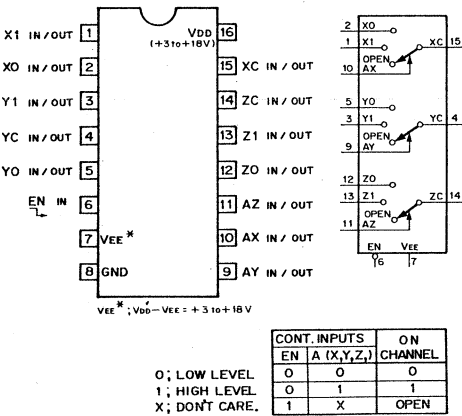
EN	C	B	A	"ON" CHANNEL
0	0	0	0	0
0	0	0	1	1
0	0	1	0	2
0	0	1	1	3
0	1	0	0	4
0	1	0	1	5
0	1	1	0	6
0	1	1	1	7
1	X	X	X	OPEN

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

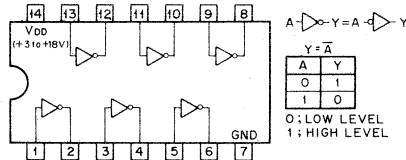
TC4052BFH8 (TOSHIBA) FLAT PACKAGE
C-MOS 4-CHANNEL MULTIPLEXER/DEMULPLEXER
— TOP VIEW —



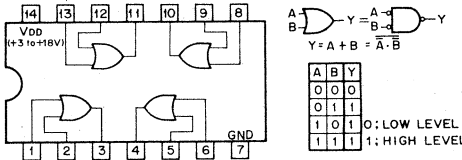
TC4053BFH8 (TOSHIBA) FLAT PACKAGE
C-MOS 2-CHANNEL MULTIPLEXER/DEMULPLEXER
— TOP VIEW —



TC4069UBF (TOSHIBA) FLAT PACKAGE
C-MOS INVERTER
— TOP VIEW —



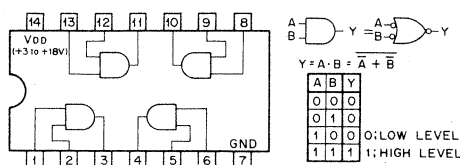
TC4071BF (TOSHIBA) FLAT PACKAGE
C-MOS 2-INPUT OR GATE
— TOP VIEW —



TC4081BF (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT AND GATE

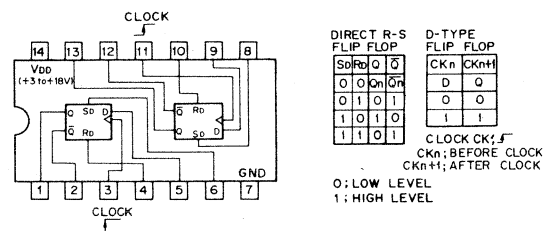
— TOP VIEW —



TC504013BF (TOSHIBA) FLAT PACKAGE

C-MOS D-TYPE FLIP FLOP WITH DIRECT SET/RESET

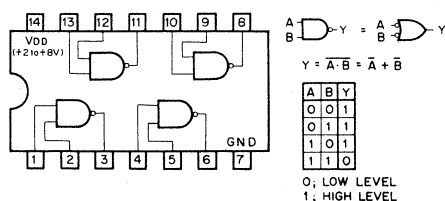
— TOP VIEW —



TC40H000F (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT NAND GATE

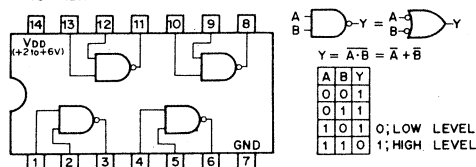
— TOP VIEW —



TC74HC00F (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT NAND GATE

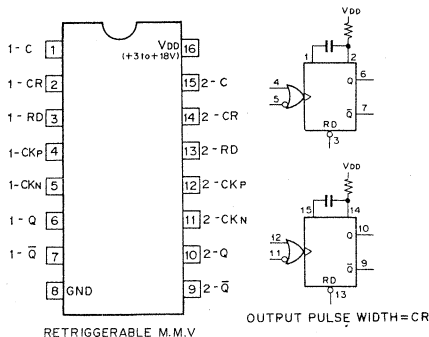
— TOP VIEW —



TC4538BF (TOSHIBA) FLAT PACKAGE

TC74HC4538F (TOSHIBA) FLAT PACKAGE
C-MOS DUAL RETRIGGERABLE/NON-RETRIGGERABLE
MONOSTABLE MULTIVIBRATOR

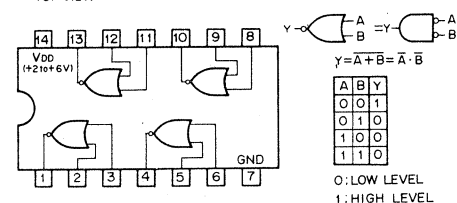
— TOP VIEW —



TC74HC02F (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT POSITIVE-NOR GATE

— TOP VIEW —

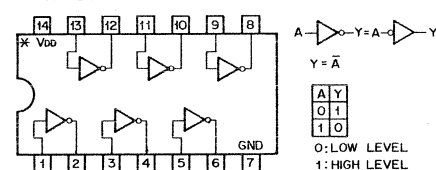


TC74HC04F (TOSHIBA) FLAT PACKAGE

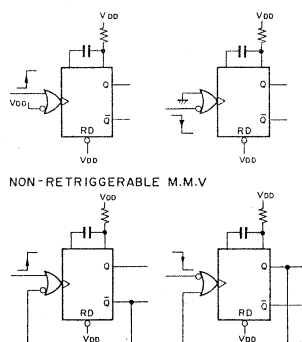
TC74HC04F (TOSHIBA) FLAT PACKAGE

C-MOS INVERTER

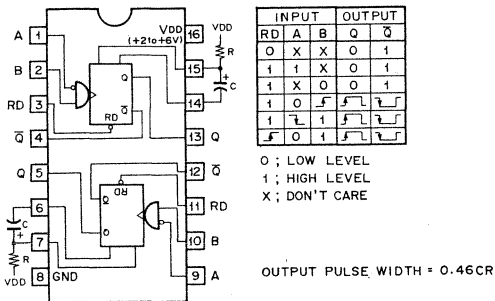
— TOP VIEW —



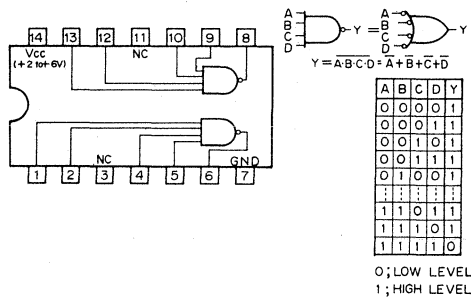
* VDD HC, HCU: +2 to +6V
HCT: +5V



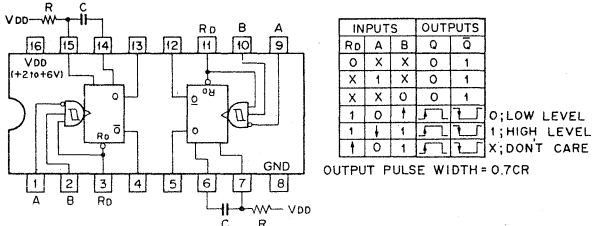
TC74HC123F (TOSHIBA) FLAT PACKAGE
C-MOS DUAL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR
— TOP VIEW —



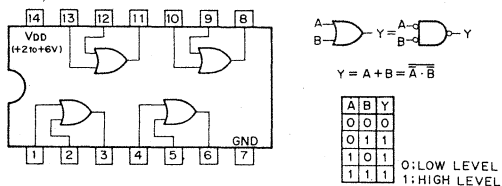
TC74HC20F (TOSHIBA) FLAT PACKAGE
C-MOS 4-INPUT POSITIVE-NAND GATE
— TOP VIEW —



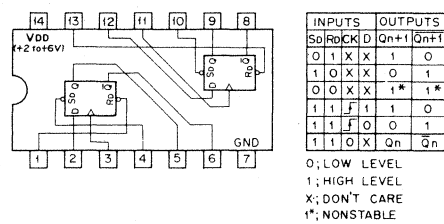
TC74HC221F (TOSHIBA) FLAT PACKAGE
C-MOS MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT
— TOP VIEW —



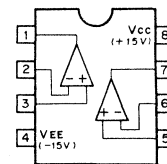
TC74HC32F (TOSHIBA) FLAT PACKAGE
C-MOS 2-INPUT OR GATE
— TOP VIEW —



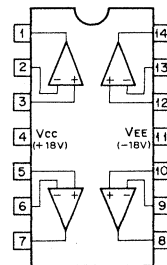
TC74HC74F (TOSHIBA) FLAT PACKAGE
C-MOS D-TYPE FLIP FLOP WITH DIRECT SET/RESET
— TOP VIEW —



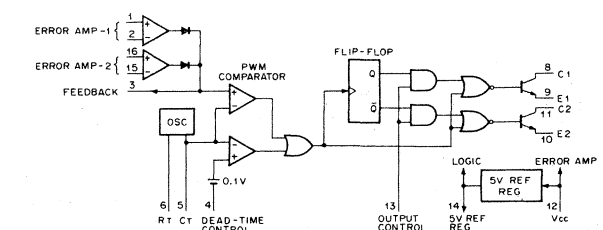
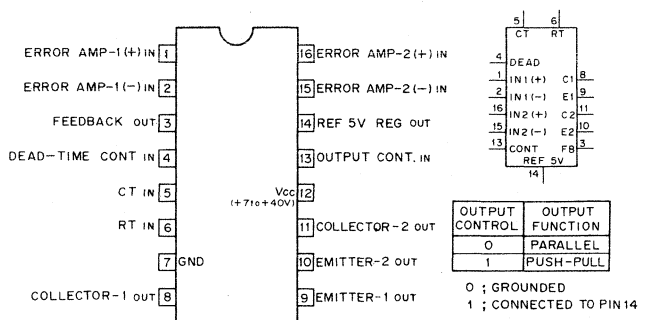
TL082CPS (TI) FLAT PACKAGE
OPERATIONAL AMPLIFIER
(J FET-INPUT)
— TOP VIEW —



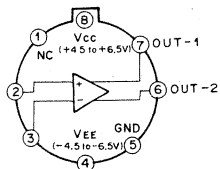
TL084CNS (TI) FLAT PACKAGE
OPERATIONAL AMPLIFIER
(J FET-INPUT)
— TOP VIEW —



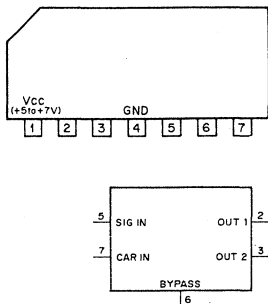
TL494CN (TI)
PWM POWER CONTROL
— TOP VIEW —



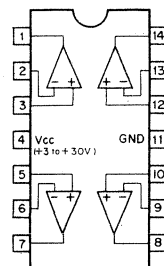
uA760HC (FSC)
HIGH SPEED VOLTAGE COMPARATOR
— TOP VIEW —



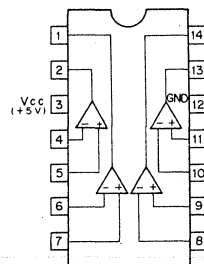
uPC1037H (NEC)
DOUBLE-BALANCED MODULATOR
— SIDE VIEW —



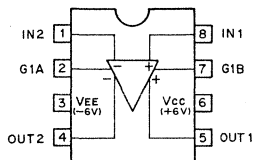
uPC324G2 (NEC) FLAT PACKAGE
QUAD. OP. AMPLIFIER
— TOP VIEW —



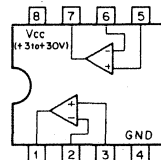
uPC339G2 (NEC) FLAT PACKAGE
COMPARATOR
— TOP VIEW —



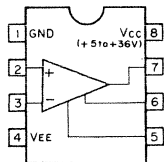
uPC1663G (NEC) FLAT PACKAGE
WIDEBAND VIDEO AMPLIFIER
— TOP VIEW —



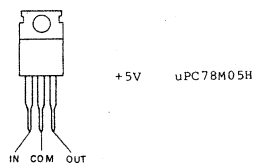
uPC358G2 (NEC) FLAT PACKAGE
DUAL OPERATIONAL AMPLIFIERS
— TOP VIEW —



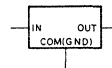
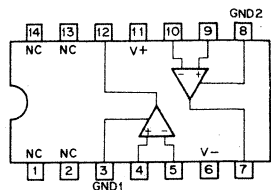
uPC311G2 (NEC) FLAT PACKAGE
VOLTAGE COMPARATOR
— TOP VIEW —



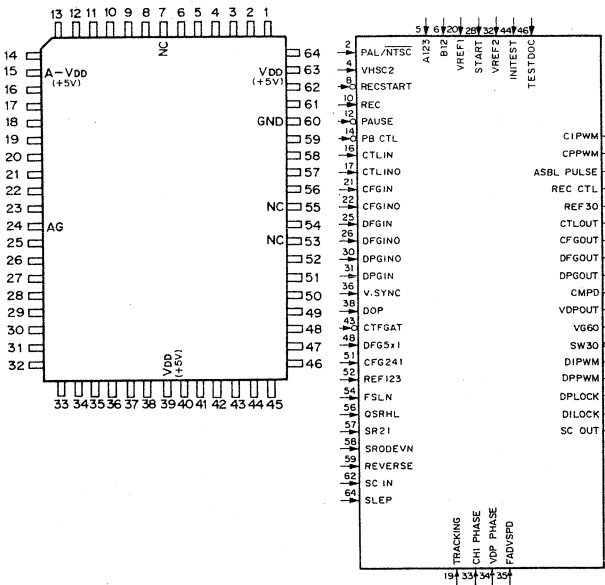
uPC78M05H (NEC)
POSITIVE VOLTAGE REGULATOR (0.5A)
— SIDE VIEW —



uPC319G2 (NEC) FLAT PACKAGE
VOLTAGE COMPARATOR
— TOP VIEW —

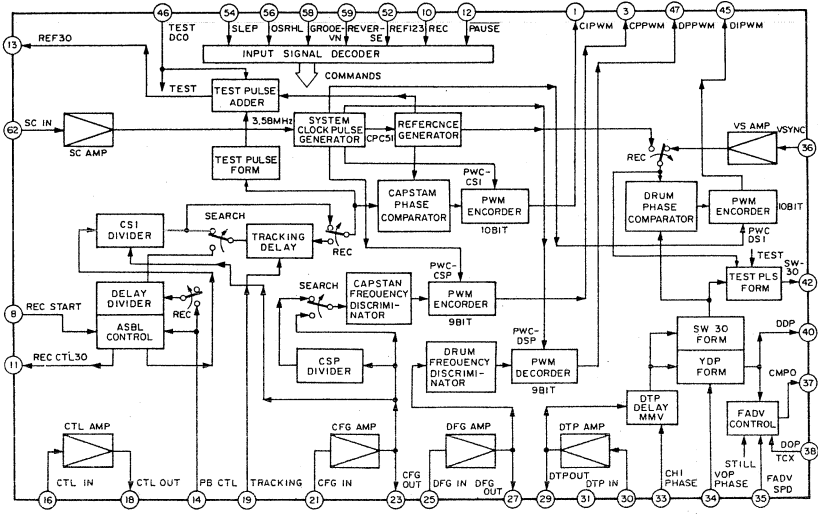


uPD6111G (NEC) FLAT PACKAGE
C-MOS SERVO CONTROLLER
— TOP VIEW —

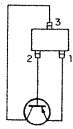


PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL
1	O	CIPWM	17	I	CTL INO	33	I	CHI PHASE	49	O	DP LOCK
2	I	PAL/RTSC	18	O	CTL OUT	34	I	VDP PHASE	50	O	DI LOCK
3	O	CPPWM	19	I	TRACKING	35	I	FADVSPD	51	I	C FG 241
4	I	VHSC2	20	I	VREF1	36	I	V SYNC	52	I	REF 123
5	I	A123	21	I	C FG IN	37	O	CMPD	52	I	NC
6	I	B12	22	I	C FG INO	38	I	DOP	54	I	FSLN
7	NC		23	O	C FG OUT	39	I	VDD (+5V)	55	NC	
8	I	REC START	24	AG		40	O	VDP OUT	56	I	QSR HL
9	O	ASBL PULSE	25	I	D FG IN	41	O	VG60	57	I	SR21
10	I	REC	26	I	D FG INO	42	O	SW30	58	I	SRODEVN
11	O	REC CTL	27	O	D FG OUT	43	I	CTFGAT	59	I	REVERSE
12	I	PAUSE	28	I	START	44	I	INI TEST	60	GND	
13	O	REF 30	29	O	D PG OUT	45	O	DI PWM	61	O	SC OUT
14	I	PB CTL	30	I	D PG INO	46	I	TEST DOC	62	I	SC IN
15	I	A-VDD (+5V)	31	I	D PG IN	47	O	DP PWM	63	I	VDD (+5V)
16	I	CTL IN	32	I	VREF2	48	I	D FG 5x1	64	I	SLEP

- A123 ; TEST TERMINAL (L= NORMAL)
B12 ; TEST TERMINAL (L= NORMAL)
CFG241 ; CAPSTAN FG (x2/x4/x1) INPUT
CIPWM ; CAPSTAN PHASE PWM OUTPUT
CMPD ; CAPSTAN MOTOR PULSE DRIVE OUT.
CPPWM ; CAPSTAN VELOCITY PWM OUTPUT
DLOCK ; DRUM PHASE LOCK OUTPUT
DPPWM ; DRUM VELOCITY PWM OUTPUT
DOP ; DROPOUT PULSE INPUT
DPLOCK ; DRUM VELOCITY LOCK OUTPUT
DPPWM ; DRUM VELOCITY PWM OUTPUT
FADVSPD ; FRAME ADVANCE SPEED ADJUST
FSLN ; SLOW MODE SELECT INPUT
QSRHL ; QUICK START REC CONTROL INPUT
REF123 ; REF 30 FREQUENCY FINE ADJUST
REVERSE ; CAPSTAN DIRECTION CONTROL IN.
SLEP ; β MODE -1/2/3 SELECT INPUT
SRODEVN ; SEARCH SPEED ODD/EVEN SELECT IN.
SR21 ; SEARCH SPEED SELECT INPUT
SW30 ; HEAD SWITCHING OUTPUT
VDP ; VERTICAL DUMMY PULSE OUTPUT
VG60 ; VIDEO GATE OUTPUT (FOR 8mm)
VHSC2 ; VHS, BETA/8mm SELECT (H= β , L=8mm)



TOP VIEW (SCALE 4/1)



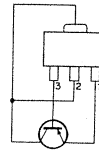
2SA1162
2SA1162G
2SA1226
2SA812

TYPE NO.
PRINTED

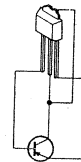


2SA1175

TOP VIEW (SCALE 4/1)

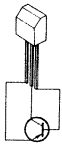


2SA1213
2SB798

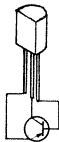


2SA1242
2SA1244

2SB733



2SB739

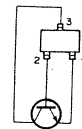


(SCALE 2/1)



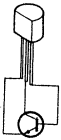
2SA937
2SB822

TOP VIEW (SCALE 4/1)

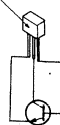


2SC1009A
2SC1623
2SC2223
2SC2230
2SC2712
2SC2714
2SC2715
2SC3325
2SD1030

2SC2362K



TYPE NO.
PRINTED

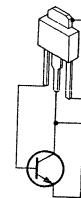


2SC2785E

(SCALE 2/1)



2SC2021
2SD1055

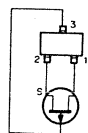


2SD1164
2SD992

2SD1160

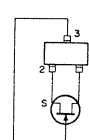


TOP VIEW (SCALE 4/1)



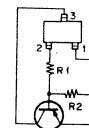
2SJ106G

TOP VIEW (SCALE 4/1)



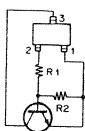
2SK209
2SK94

TOP VIEW (SCALE 4/1)

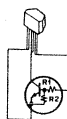


DTA114EK (R1=10K, R2=10K)
DTA144EK (R1=47K, R2=47K)

TOP VIEW (SCALE 4/1)

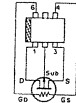


DTA114EK (R1=10K, R2=10K)
DTA144EK (R1=47K, R2=47K)

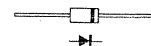


DTA144ES (R1=47K, R2=47K)

TOP VIEW

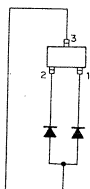


TX429M



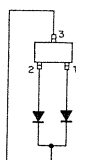
10E-1
10E-2
1SS119
ERB12-7 ?
GPOB ?

TOP VIEW (SCALE 4/1)



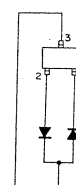
1S2835
DAP202K
MA151WA

TOP VIEW (SCALE 4/1)

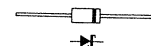


1S2837
DAN202K
MA151WK

TOP VIEW (SCALE 4/1)

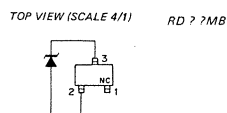
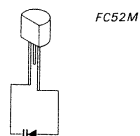
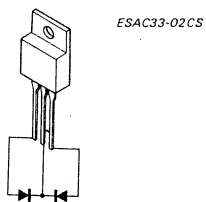
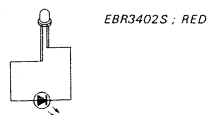
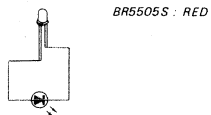


1SS123
DA204K
MA153



1SS99
ERB1-004

DIODE



SECTION 14
SCHEMATIC DIAGRAMS

In the schematic diagrams, the following marks are described nearby reference number.
These are parts data at factory.

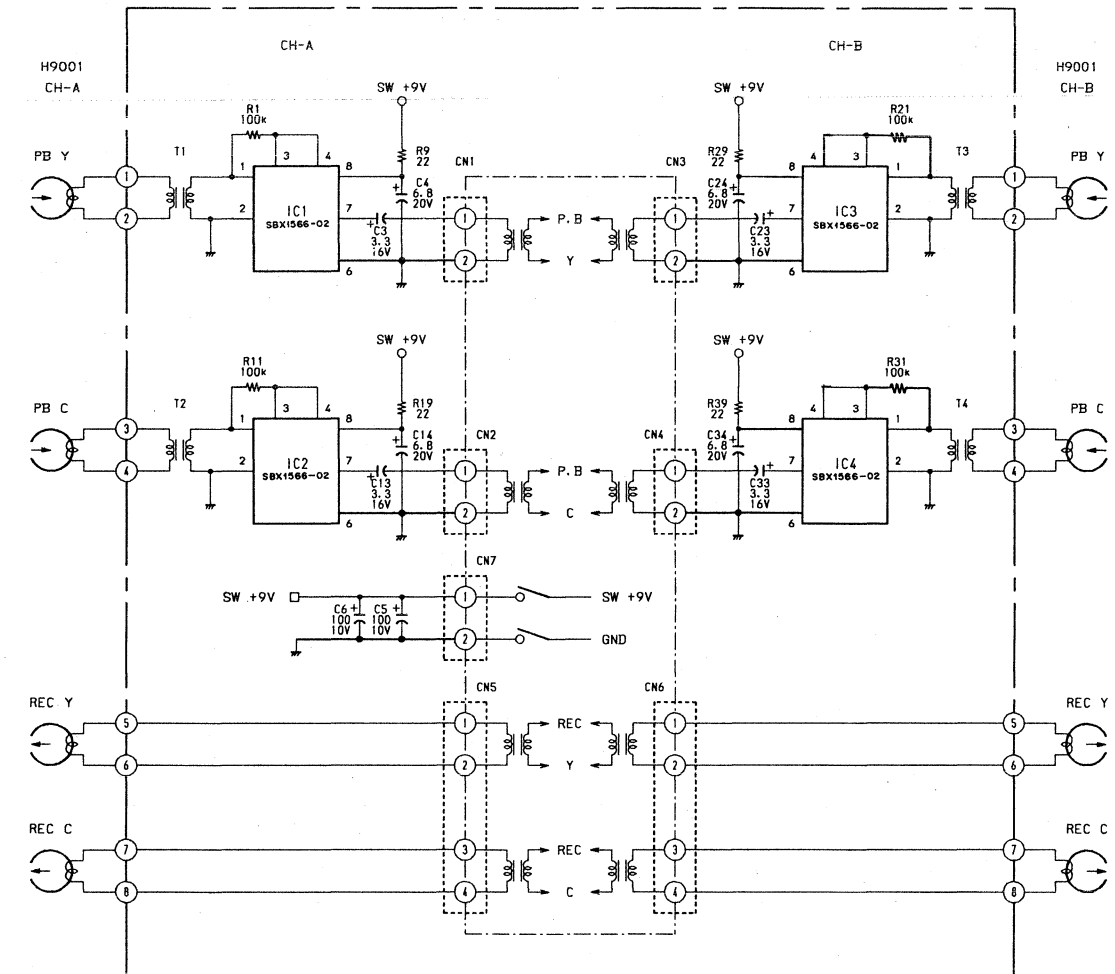
CAPACITOR (C)		RESISTOR (R)	
		VARIABLE RESISTOR (RV)	
AL	ELECTROLYTIC	RC	CARBON
AS		RD	
TA		RF	FUSE
CA	TANTALUM	RN	METAL
CC	CERAMIC	RS	
CCS		RW	WIREWOUND
CM			
CS	MYLAR		
MPS			
PP			
PS	DIPPED MICA		
PT			
MD			
MS	MICA		

The circuit information is provided below.

System	Board	Circuit function	System	Board	Circuit function
Video	BF-29	Video Input Level/Buffer	Audio	MA-28	Mic Amplifier
	DEC-49P	Y/C Separator/Decoder		MT-34	Meter Drive/Audio Level
	MDM-3P	Modulator/Demodulator		VR-64	PB Level
	DL-13	1H Delay Line for DOC		AU-93P	Audio REC/PB Amplifier
	DM-58A	Demodulator		AFM-3	FM Audio
	DO-19	DO Detector		AL-14	AGC/Limiter
	DUS-277	RF Switch		AR-12P	REC Amplifier
	EQ-14	COS Equalizer		CO-8	CONFI PB
	FL-66	Filter		DC-33	DUB Crosstalk Canceller
	EQ-14A	COS Equalizer		NR-19	Noise Reduction
	PA-60A	PB Amplifier		SG-137	REF Clock Generator
	RF-16A	RF AGC		VA-68	AGC
	RG-24	+5V Regulator		MS-22	Monitor Amplifier/Monitor Selector
	TG-31	Timing Generator		CP-114	XLR OUT Amplifier
	VA-54	Video Amplifier		VR-63	Phone Level
	VRA-1	Video REC Amplifier		HP-36	Headphones/Earphone
	CEC-3P	CTDM/Expander		CD-54	DC-DC Converter
	CF-29	Comb Filter		DD-17V	DC-DC Converter
	CL-15	Clamper for DL-15 OUT signals	Servo	SV-94P	Servo System
	CL-16	Clamper for DL-15 IN signals		SD-16P	Servo Driver
	DL-14	1H Delay Line		DR-63	Drum Motor
	DL-15	1/2H, 1H Delay Line	Time Code	TC-45P	Time Code REC/PB Amplifier
	DL-17	1H Delay Line for CF	System Control	KY-110P	Function Key/Time Code
	ED-18	Edge Detector		SY-110	System Control
	EQ-23	Delay Circuit		CS-22	SP Cassette-in Switch
	LM-15	Limiter for Pre-phaser		DU-39	Eject Motor
	LM-16	Limiter for REC 100% CTDM signal		SW-24	Unthreading-end Switch
	NR-18	Noise Canceller for PB CTDM signal		SW-203	Miss REC/Cassette-in Switch
	ENC-11P	Video Encoder/Y Processor		SWC-3	Tension Regulator Switch
Power	BC-14	Battery	Power	BC-17	Battery
	DC-DC CONV	DC-DC Converter		DC-35	DC IN/Diode
	PSW-8	Power Switch Control			
	CN-185	CP Connection Board	Other	CON-12	BNC Connector
	DS-23	Dew Connection Board		EX-150	Extension Board
	MB-157	Mother Board		DE-19	Level Detector
	PA-67P	RF REC/PB Amplifier		RM-54	9P Remote Control
	RMD-1	RF Modulator		SR-41	Slip-ring

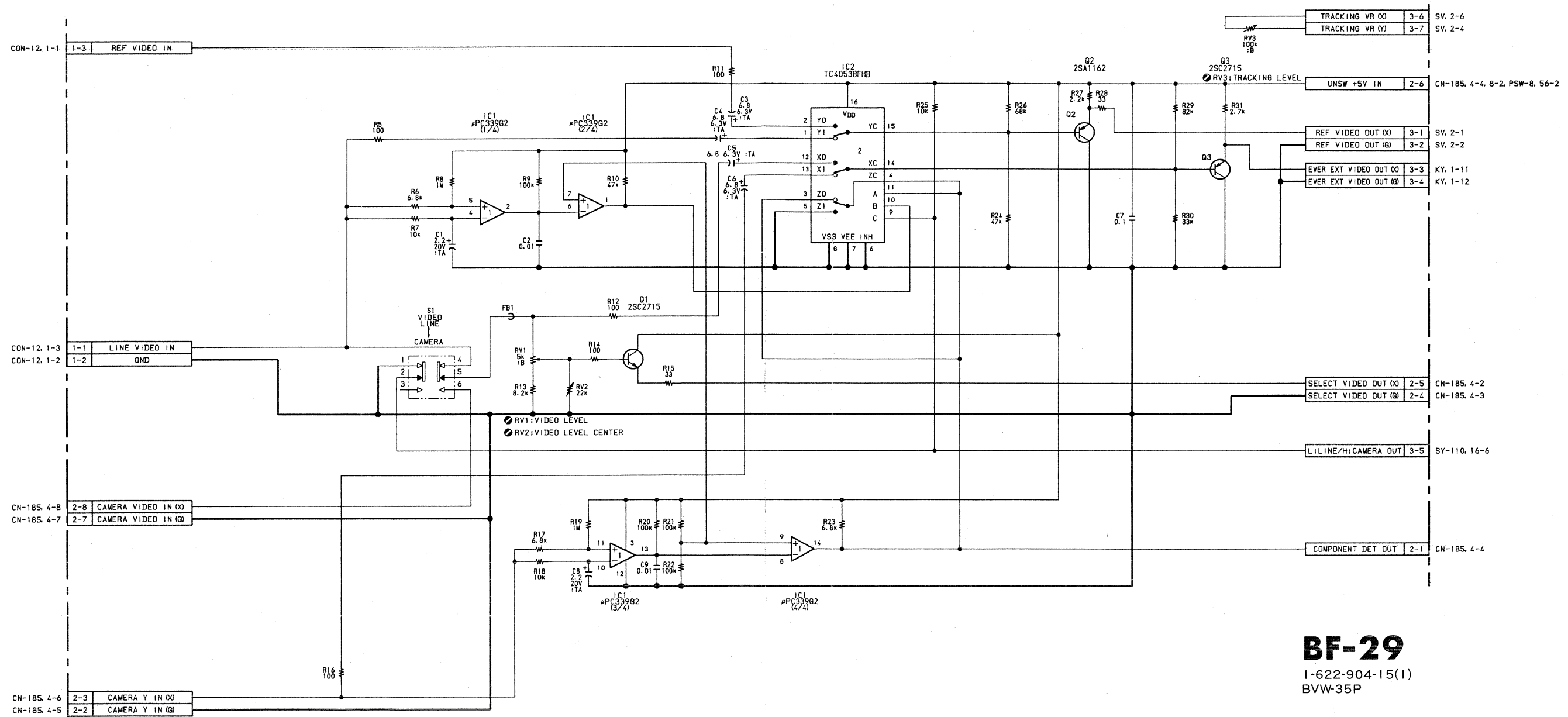
PA-67P

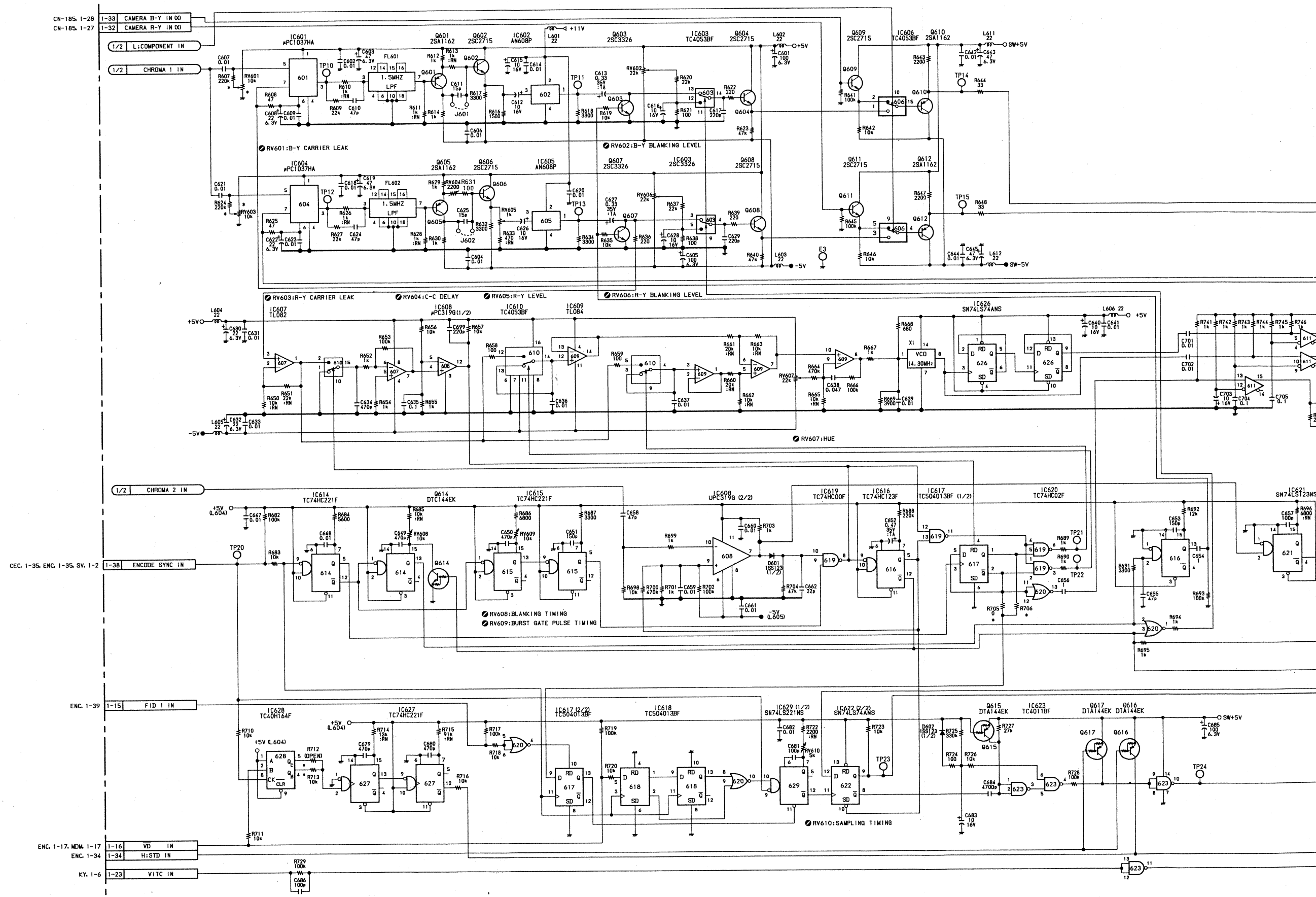
PA-67P; RF REC/PB AMPLIFIER



PA-67P
BVW-35P

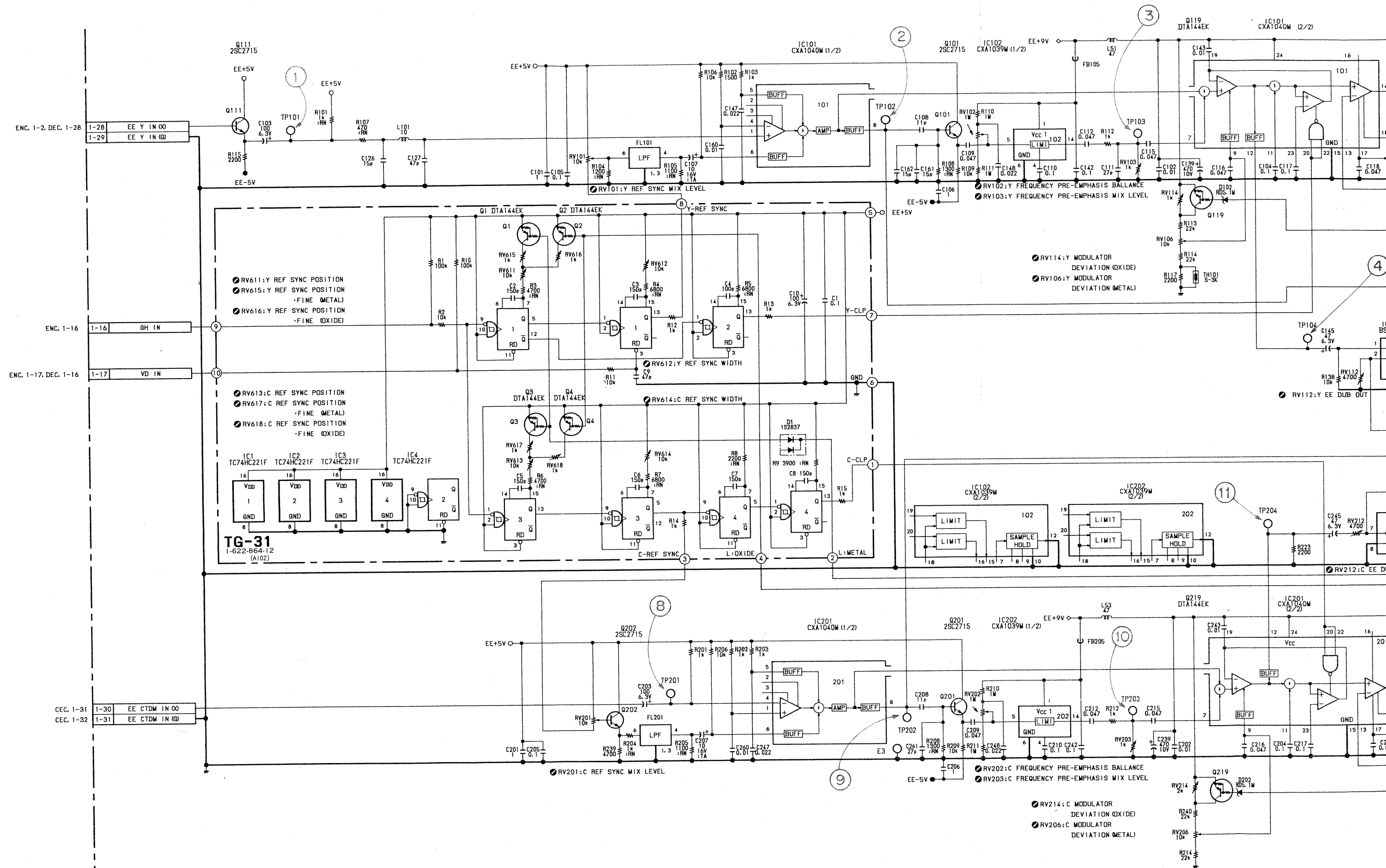
BF-29; VIDEO INPUT LEVEL/BUFFER

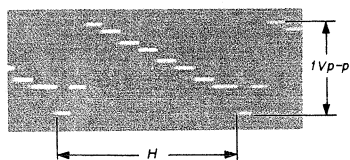
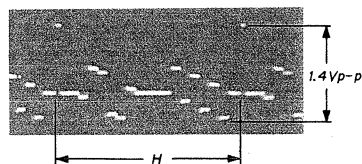
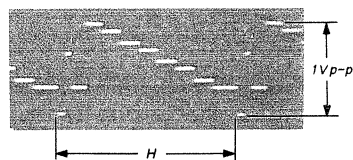
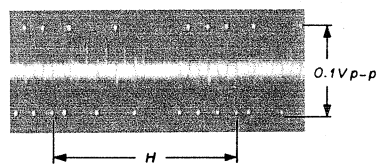
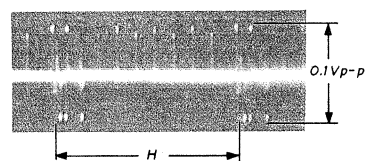
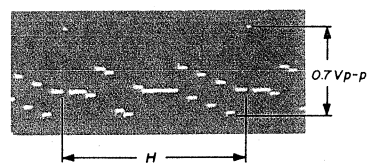
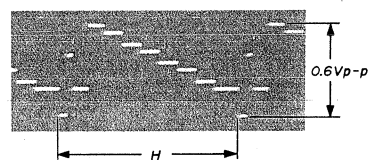
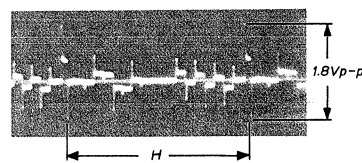
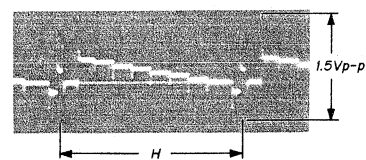
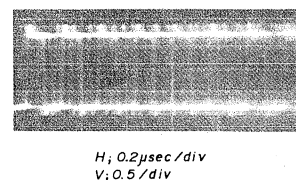
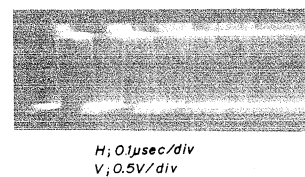
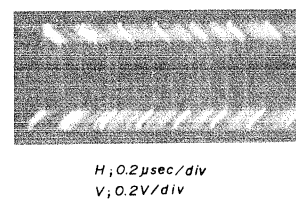
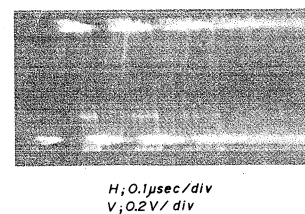
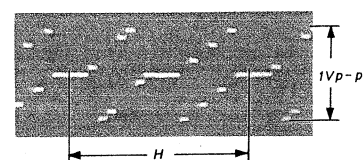






1-629-800-11(1)
BVW-35P
BVW-35PM



① TP101
EE⑨ TP202
EE② TP102
EE⑩ TP203
EE③ TP103
EE⑪ TP204
EE④ TP104
EE⑫ TP205
EE⑤ TP105
EE⑬ TP206
EE⑥ TP106
EE⑭ TP207
EE⑦ TP107
EE⑧ TP201
EE

MDM-3P(2/4); MODULATOR/DEMODULATOR

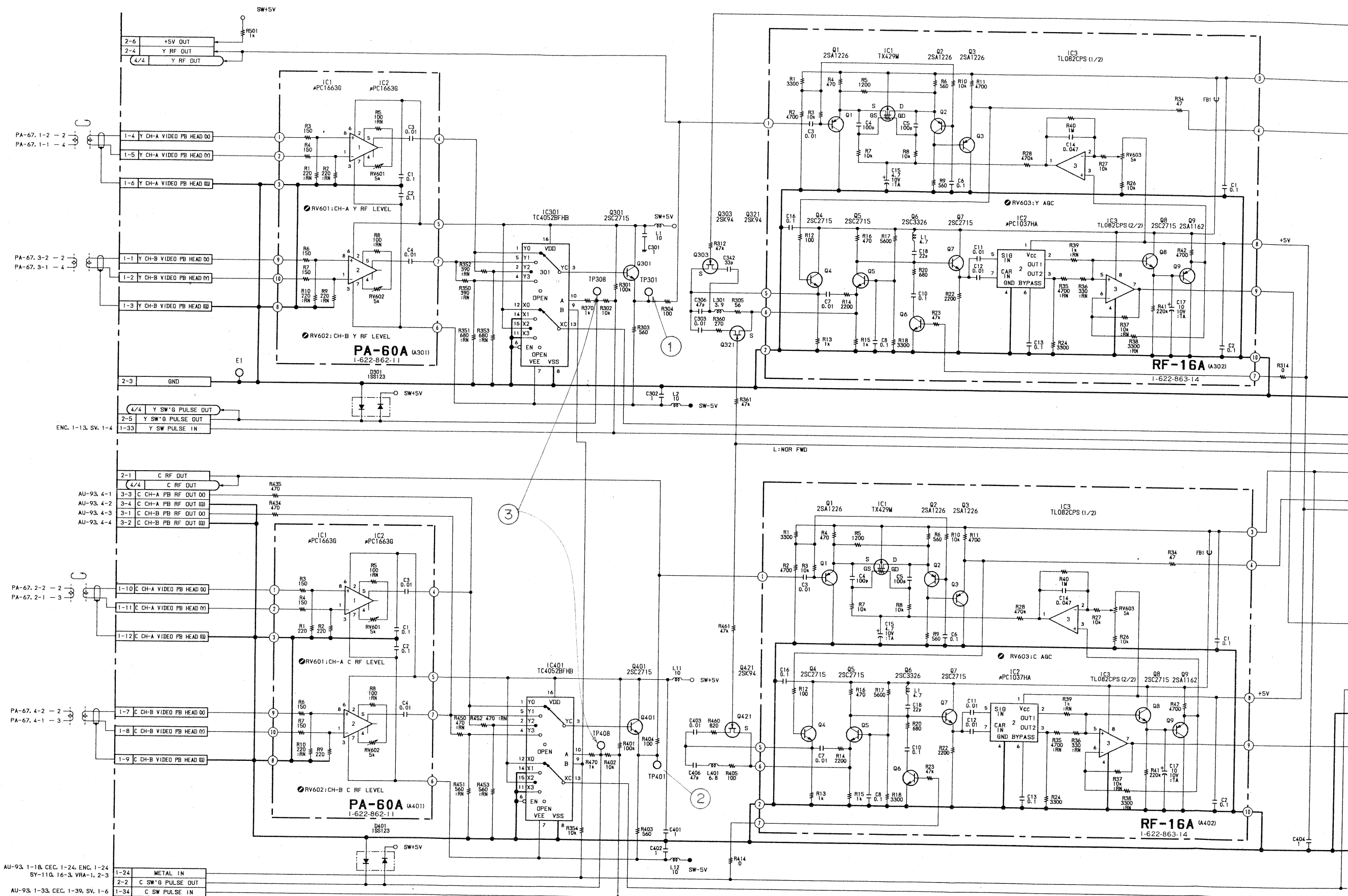
DO-19; DO DETECTOR

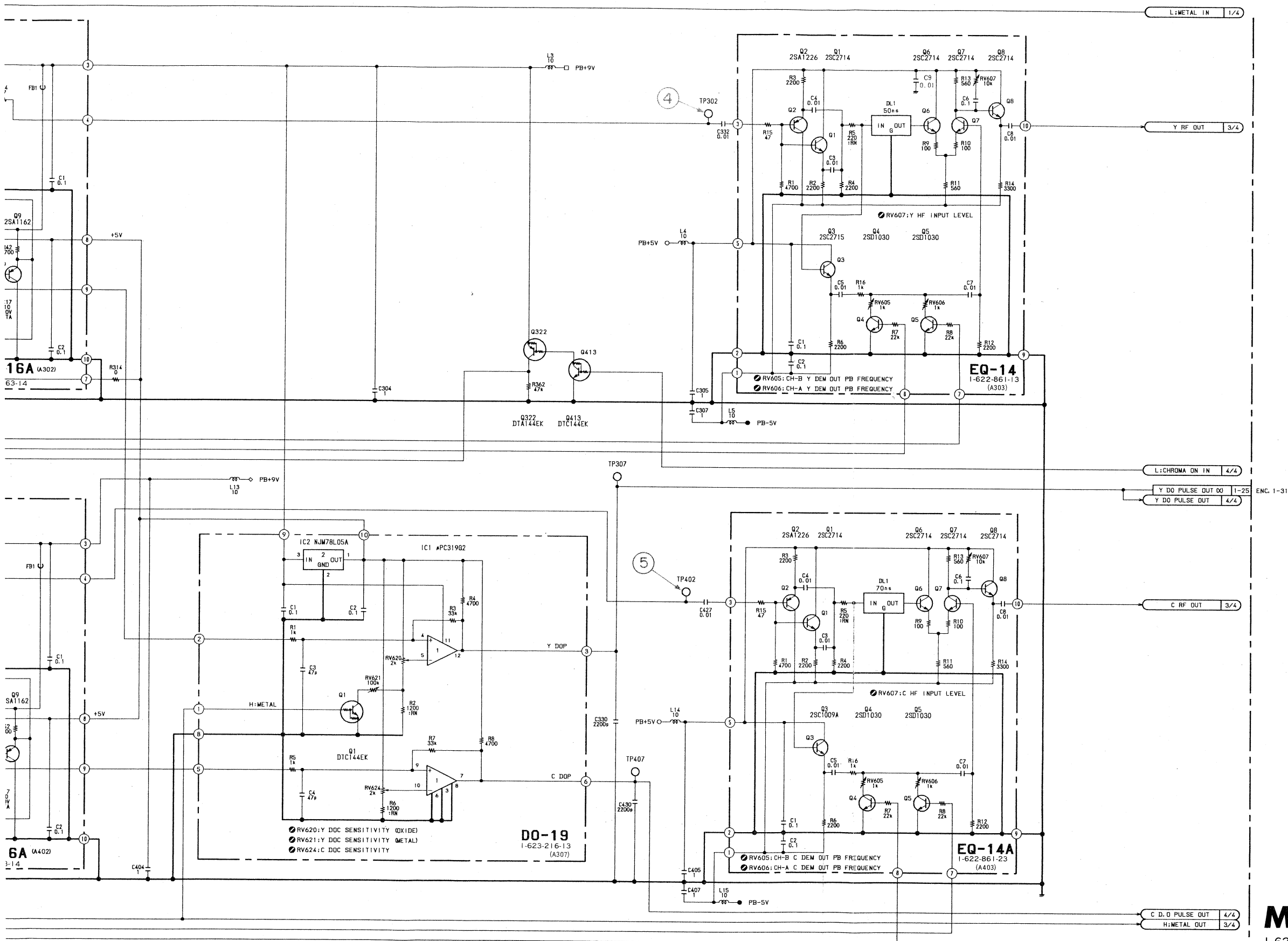
EQ-14; COS EQUALIZER

EQ-14A; COS EQUALIZER

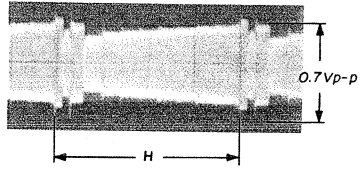
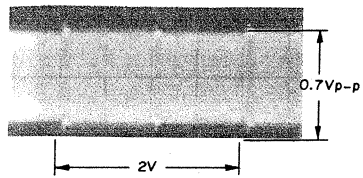
PA-60A; PB AMPLIFIER

RF-16A; RF AGC

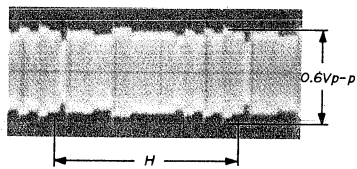
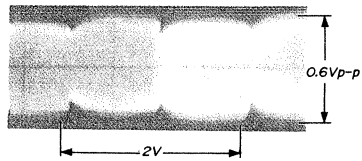


**MDM-3P(2/4)**I-622-858-16(1)
BVW-35P

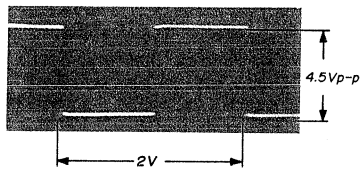
① TP301
PB



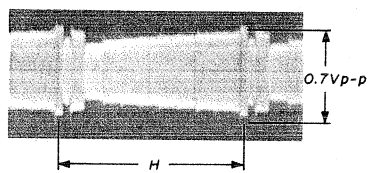
② TP401
PB



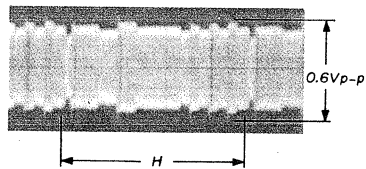
③ TP308
TP408
PB



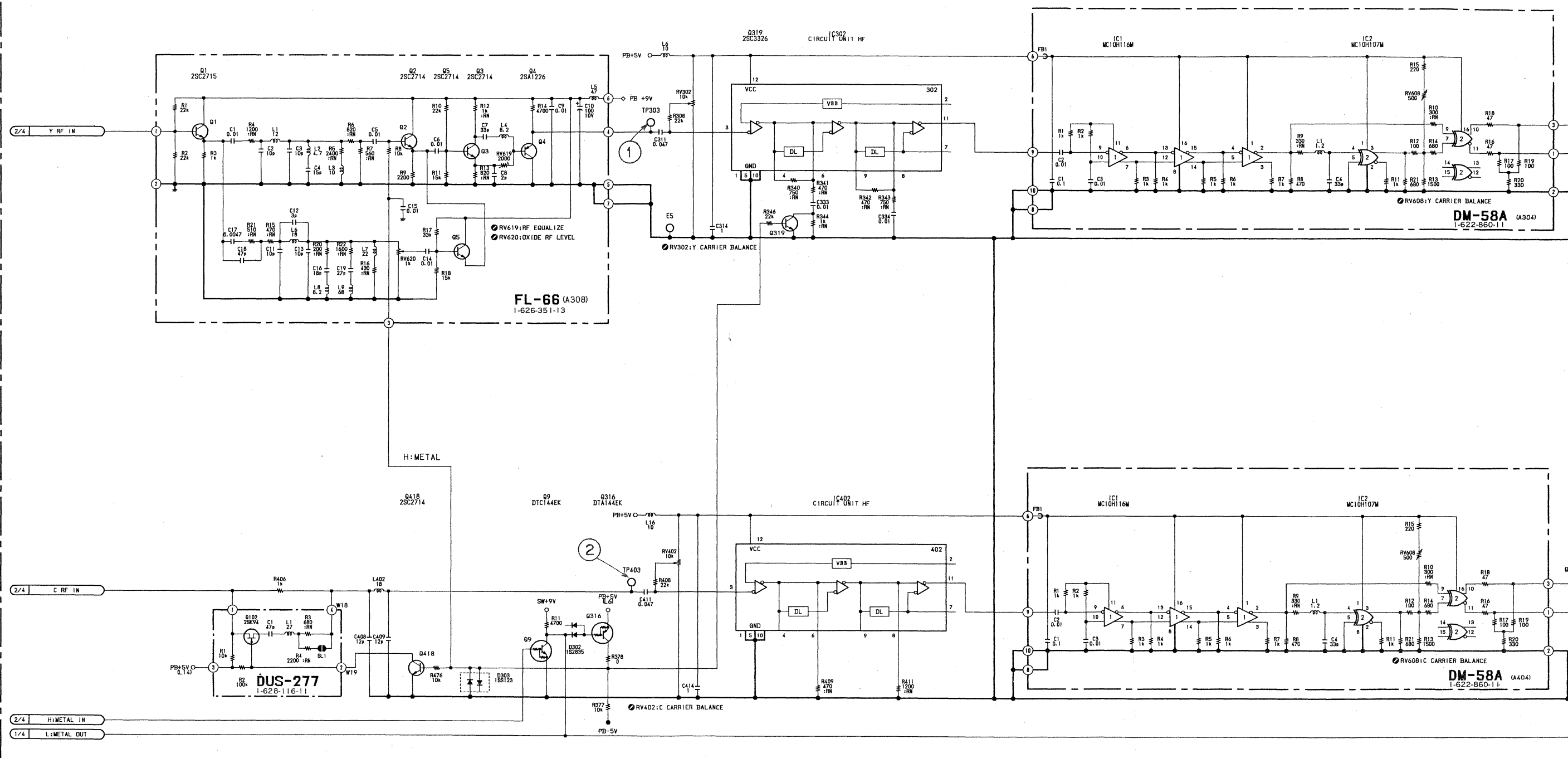
④ TP302
PB



⑤ TP402
PB



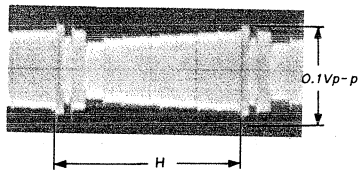
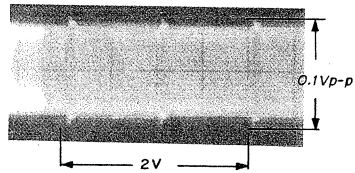
MDM-3P(3/4); MODULATOR/DEMODULATOR
DM-58A; DEMODULATOR
DUS-277; RF SWITCH
FL-66; FILTER



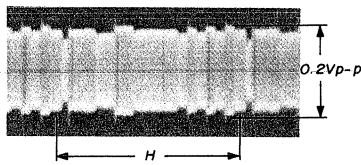
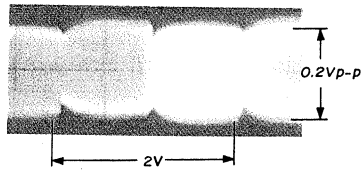


1-622-858-16(1)
BVW-35P

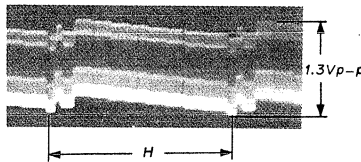
① TP303
PB



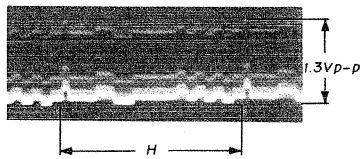
② TP403
PB

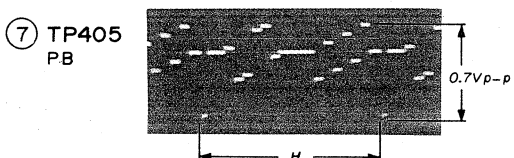
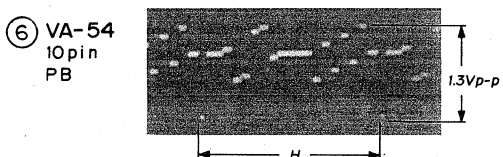
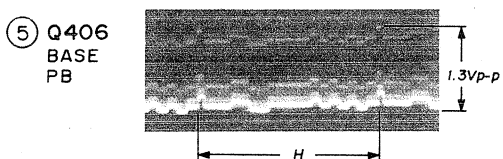
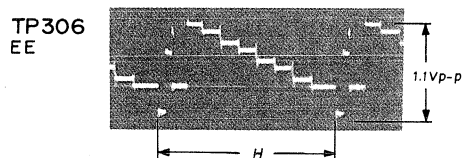
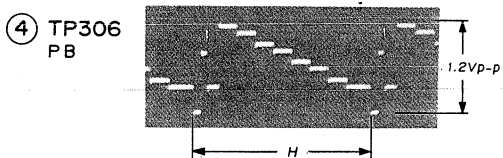
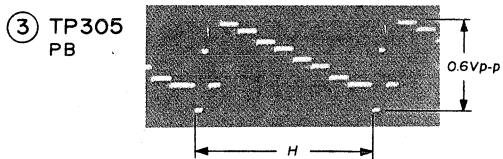
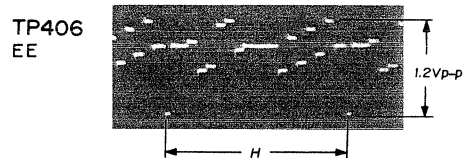
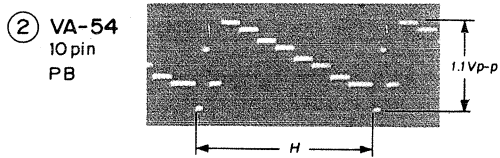
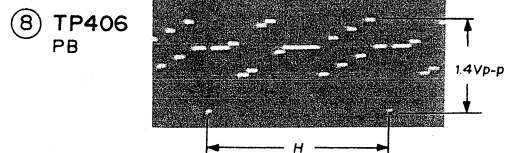
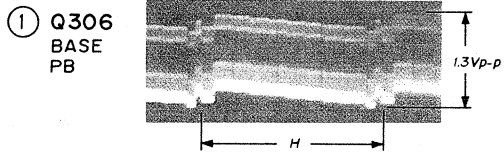


③ TP304
PB



④ TP404
PB



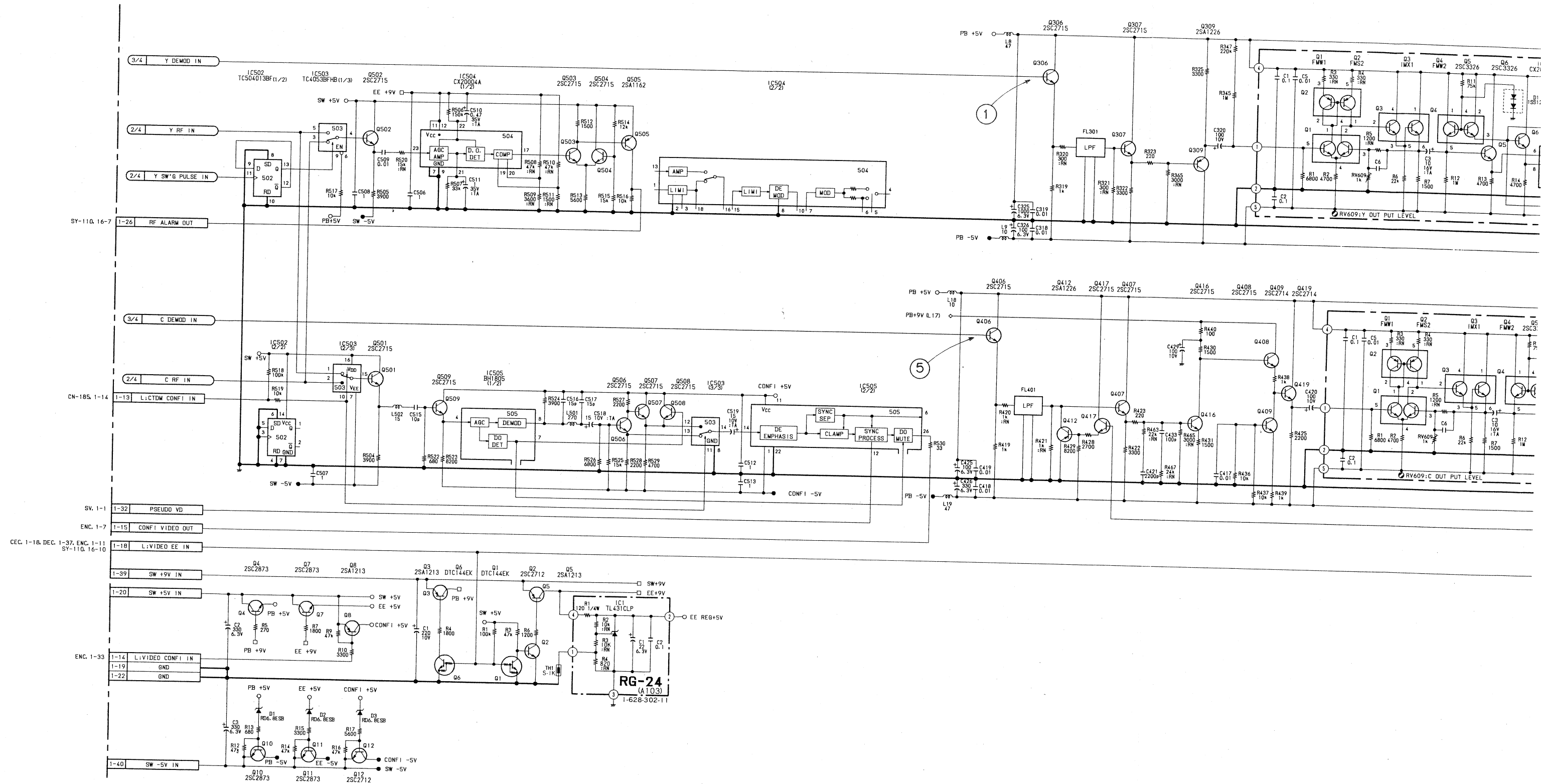


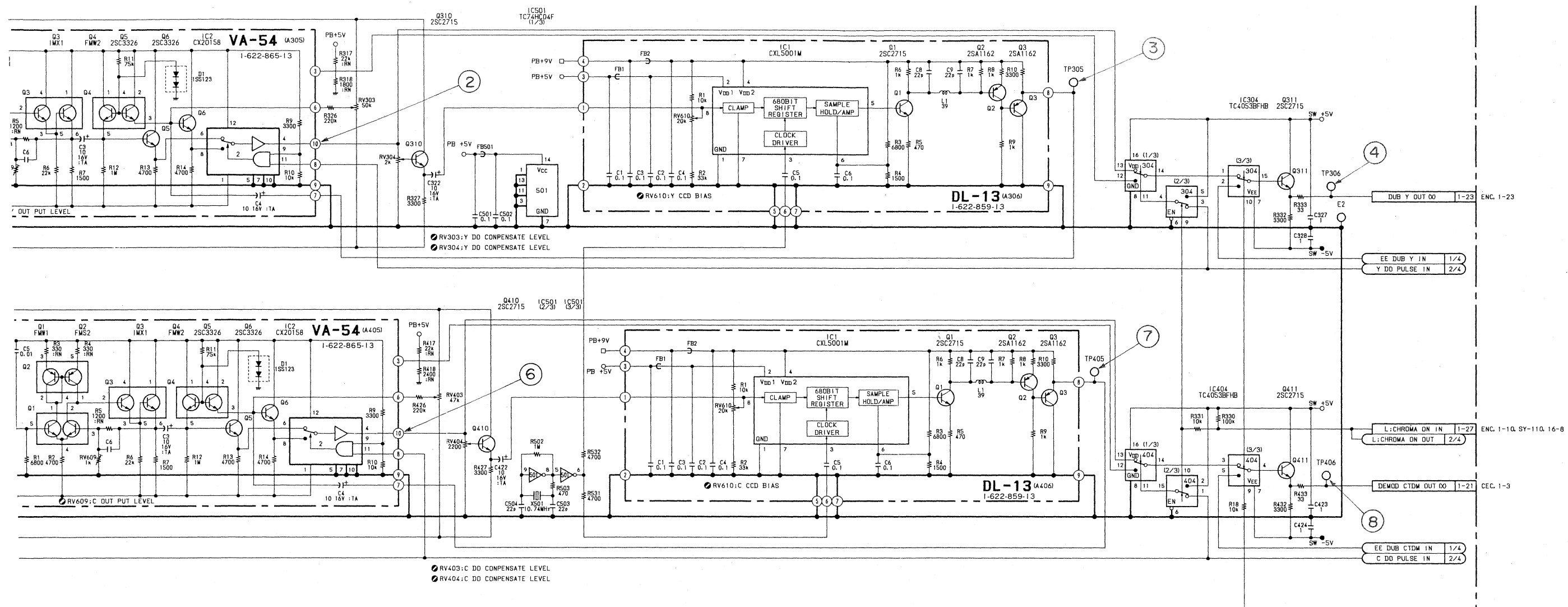
MDM-3P(4/4); MODULATOR/DEMODULATOR

DL-13; 1H DELAY LINE FOR DOC

RG-24; +5V REGULATOR

VA-54; VIDEO AMPLIFIER

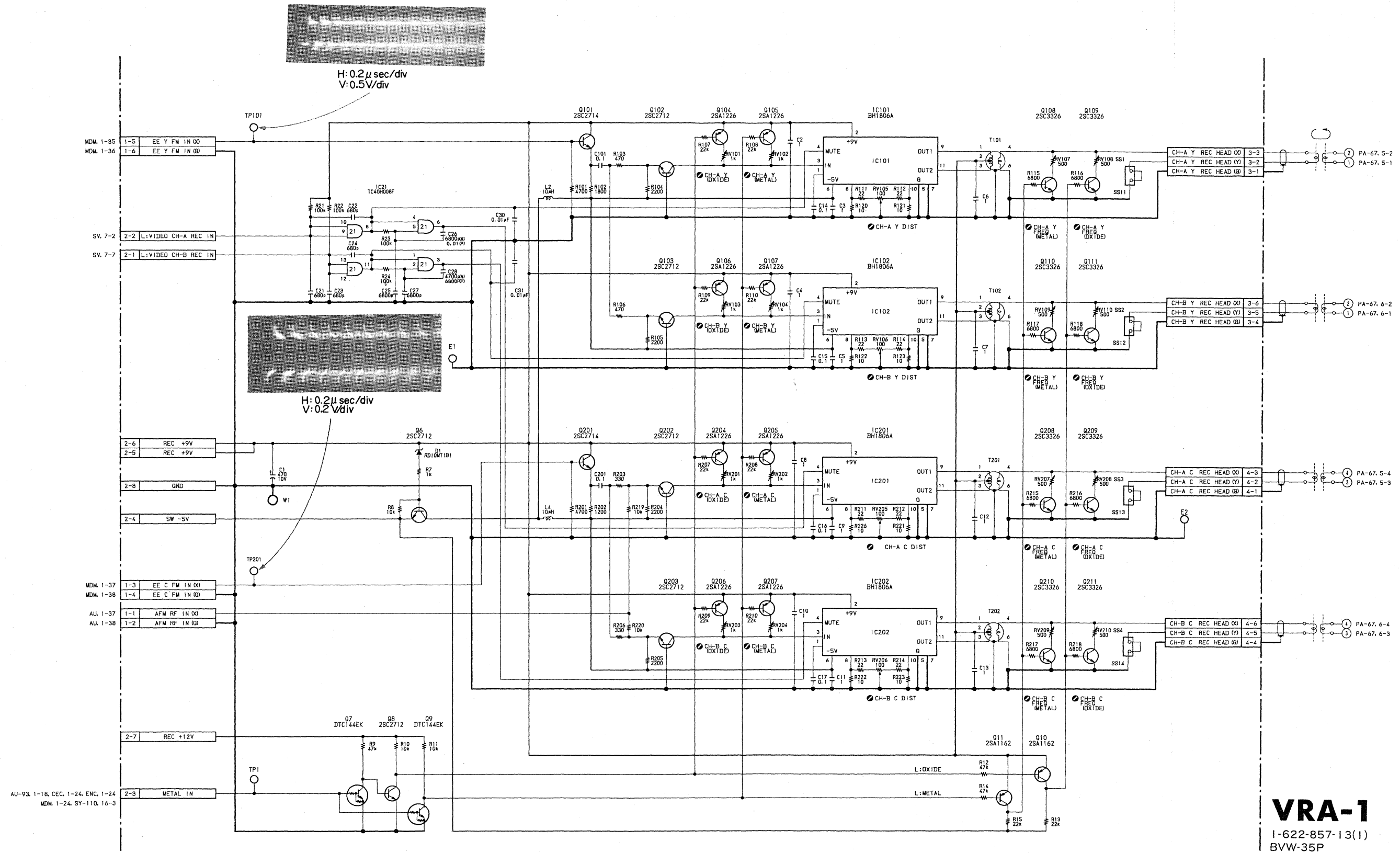




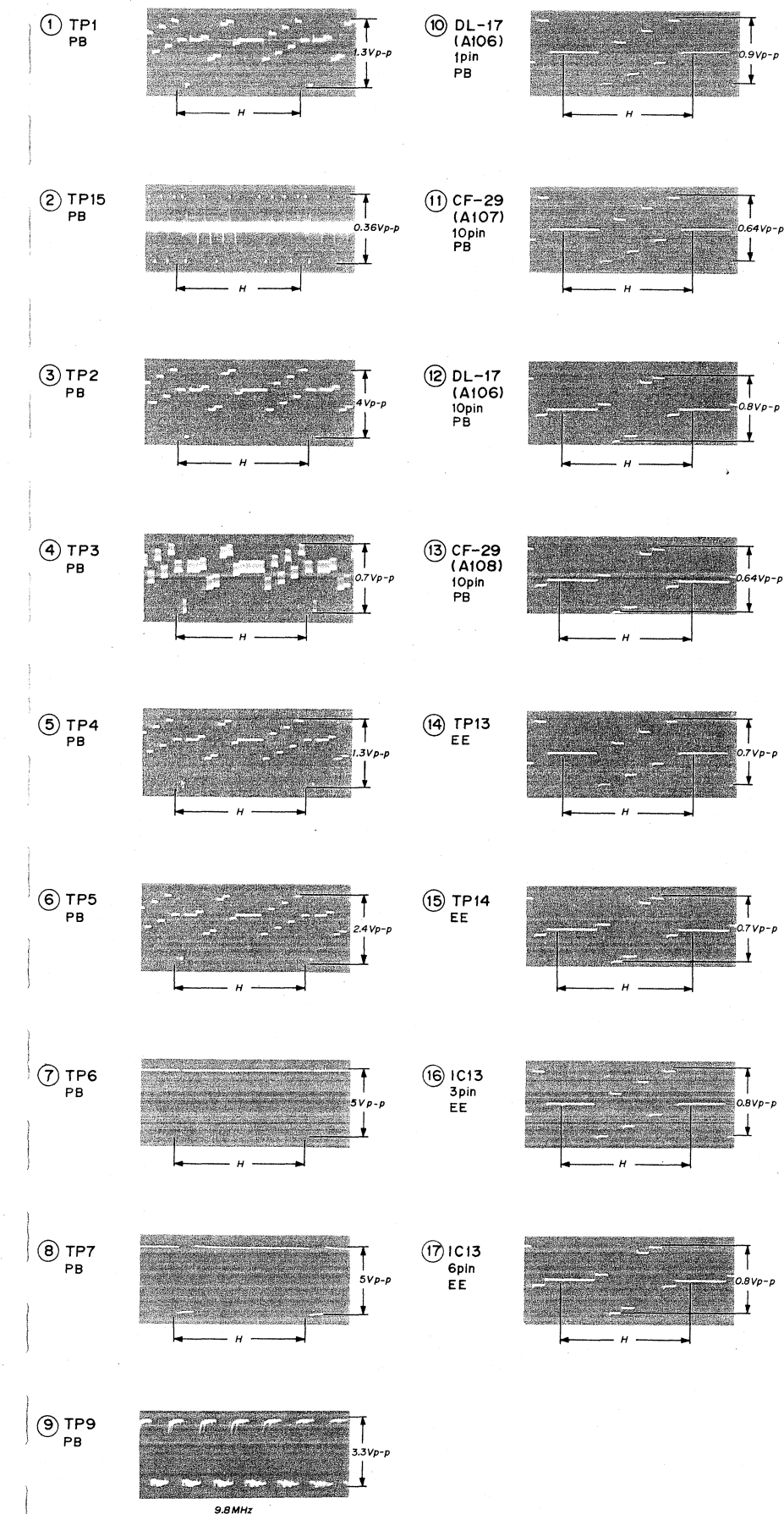
MDM-3P(4/4)

1-622-858-16(1)
BVW-35P

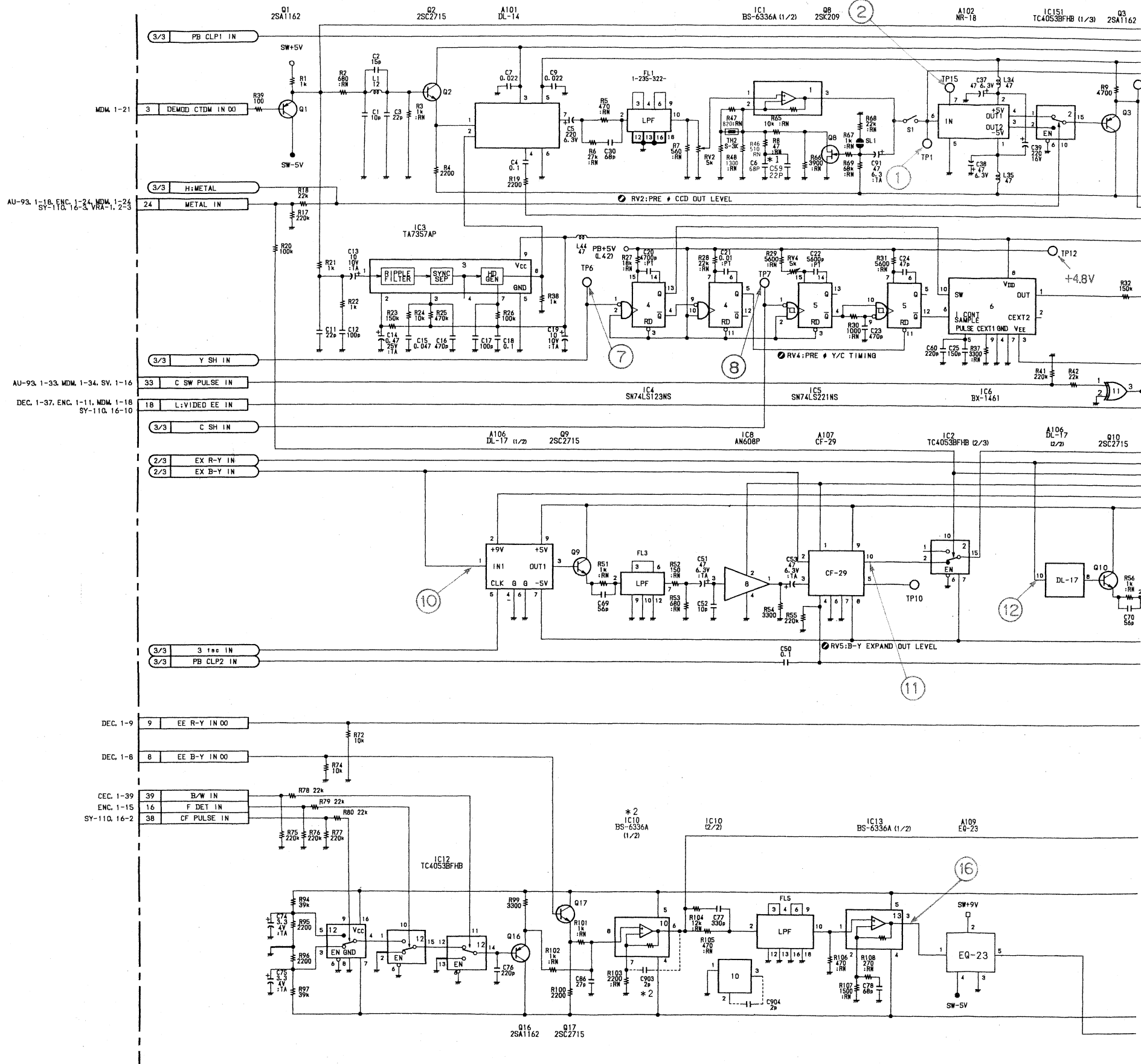
VRA-1; VIDEO REC AMPLIFIER



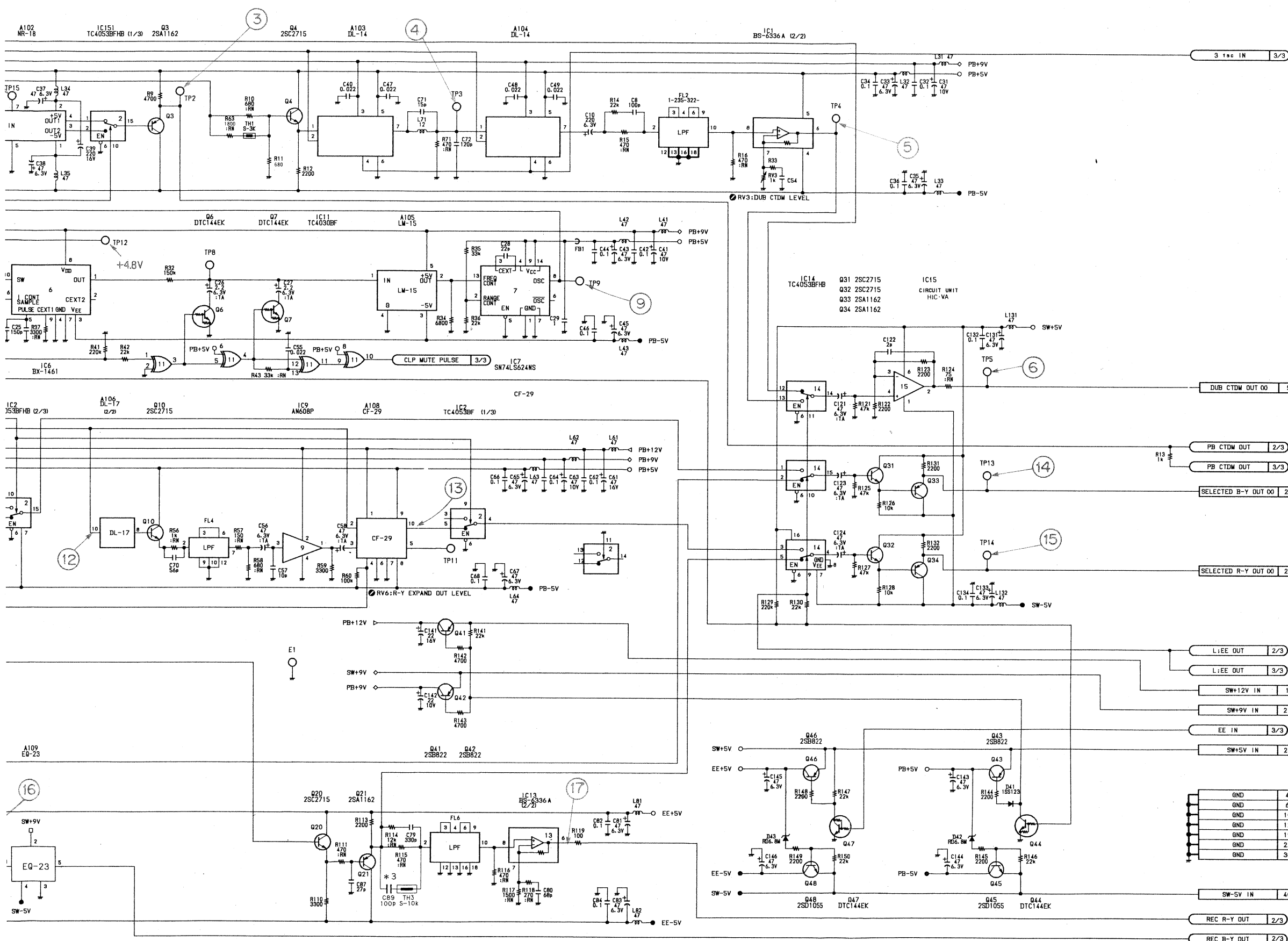
CEC-3P(1/3); CTD/EXPANDER



14-75



14-76



NOTE:

MARK	ADDRESS	CHANGE INFORMATION	SERIAL No.
* 1	2-G	C59 CHANGED 10P → 22P	EK; 11969-
* 2	5-G	C903 DELETED IC10 CHANGED BS-6336 → BS-6336A	EK; 12049-
* 3	5-J	ADDED C89 100P TH3 S-10K	EK; 12283-

CN-185, 1-33

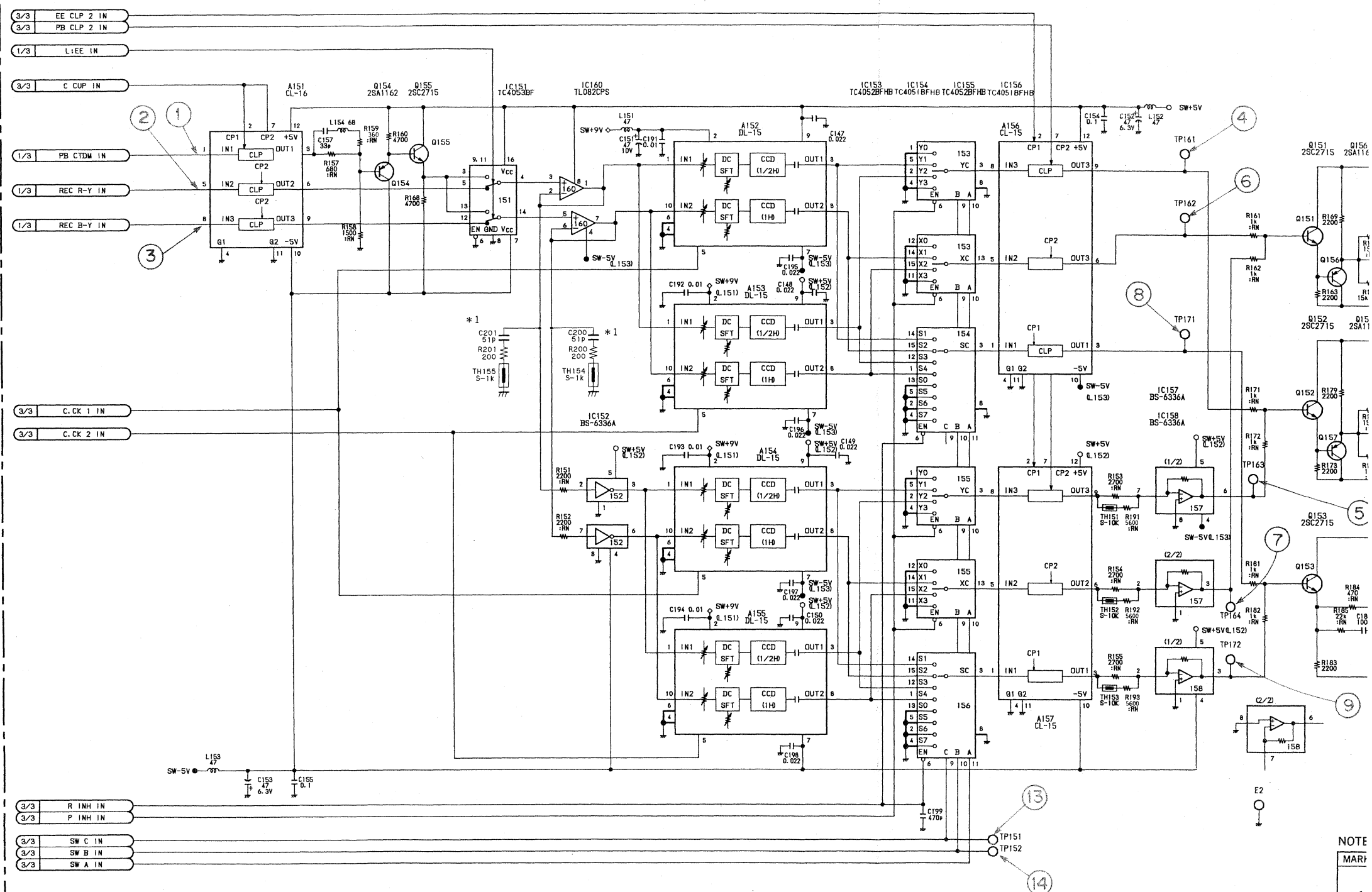
ENC. 1-25

ENC. 1-26

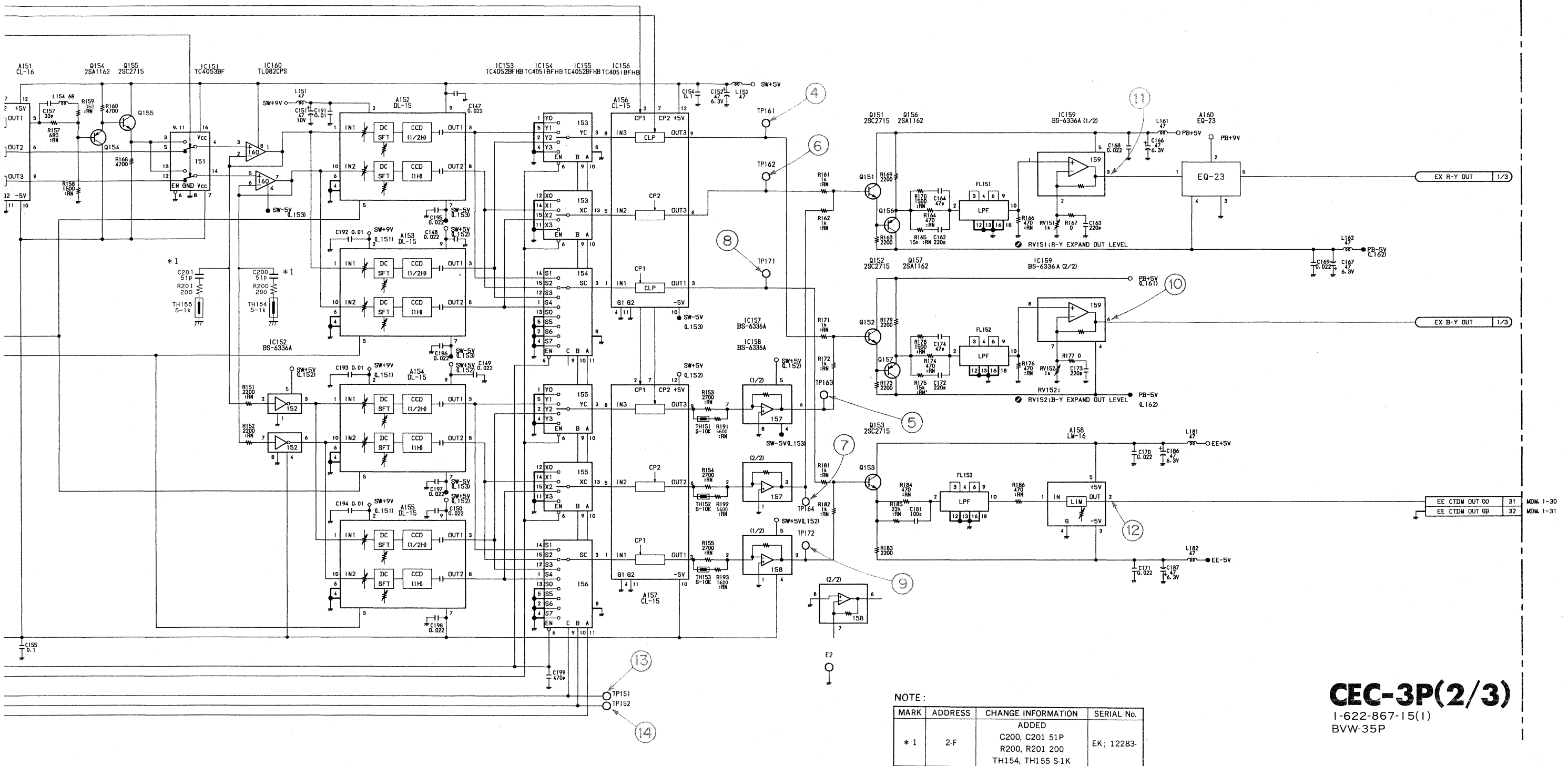
DEC. 1-10

CEC-3P(1/3)
I-622-867-15(3)
BVW-35P

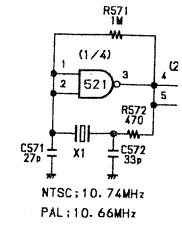
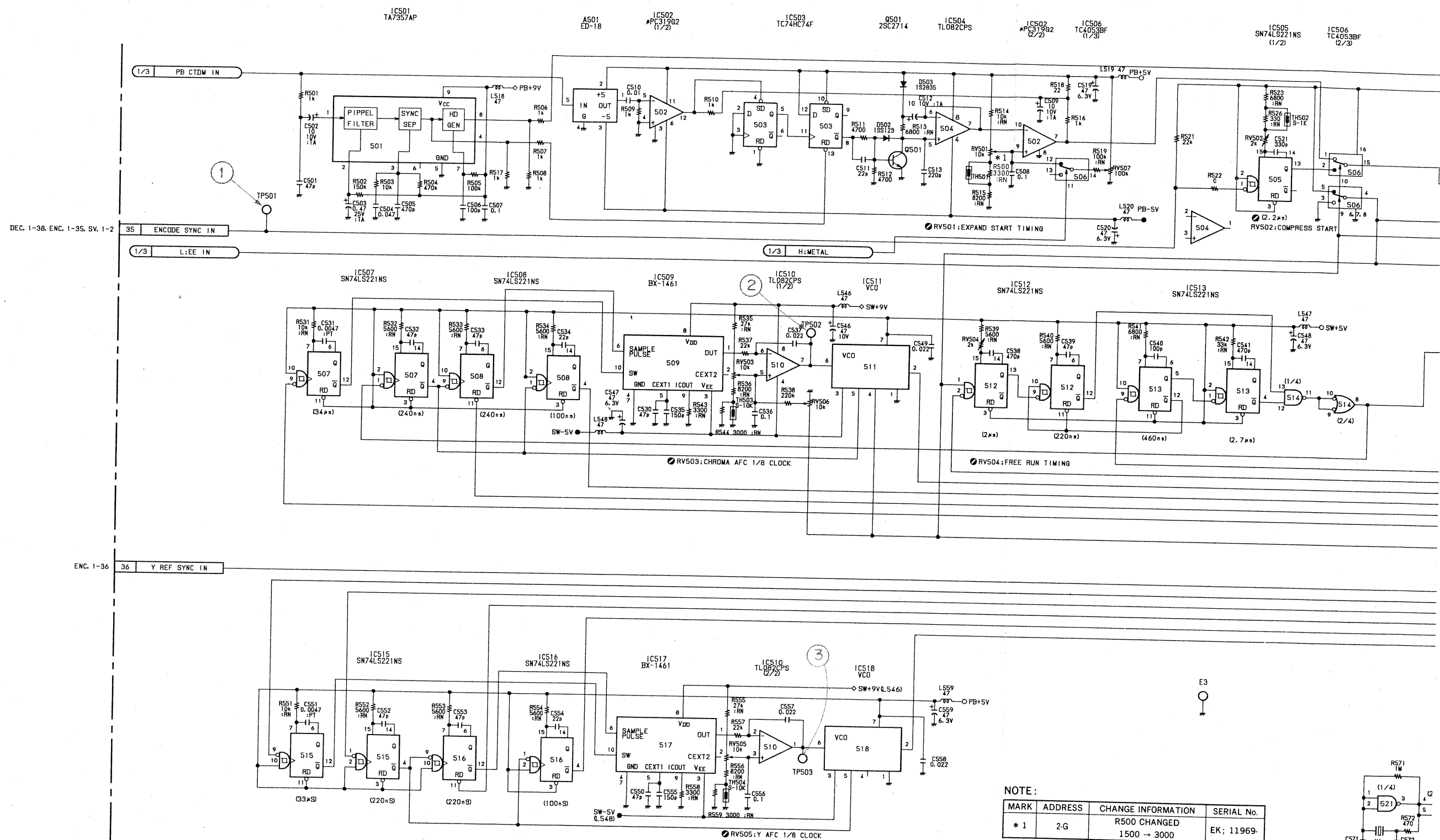
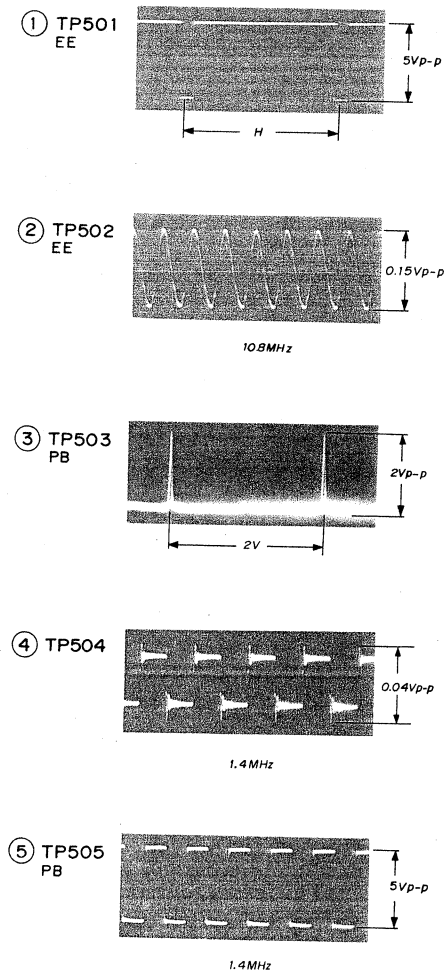
14-82



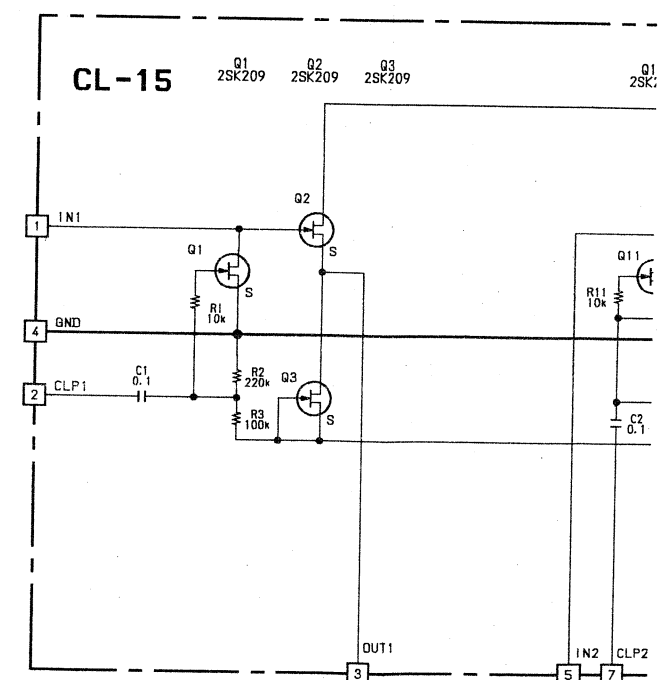
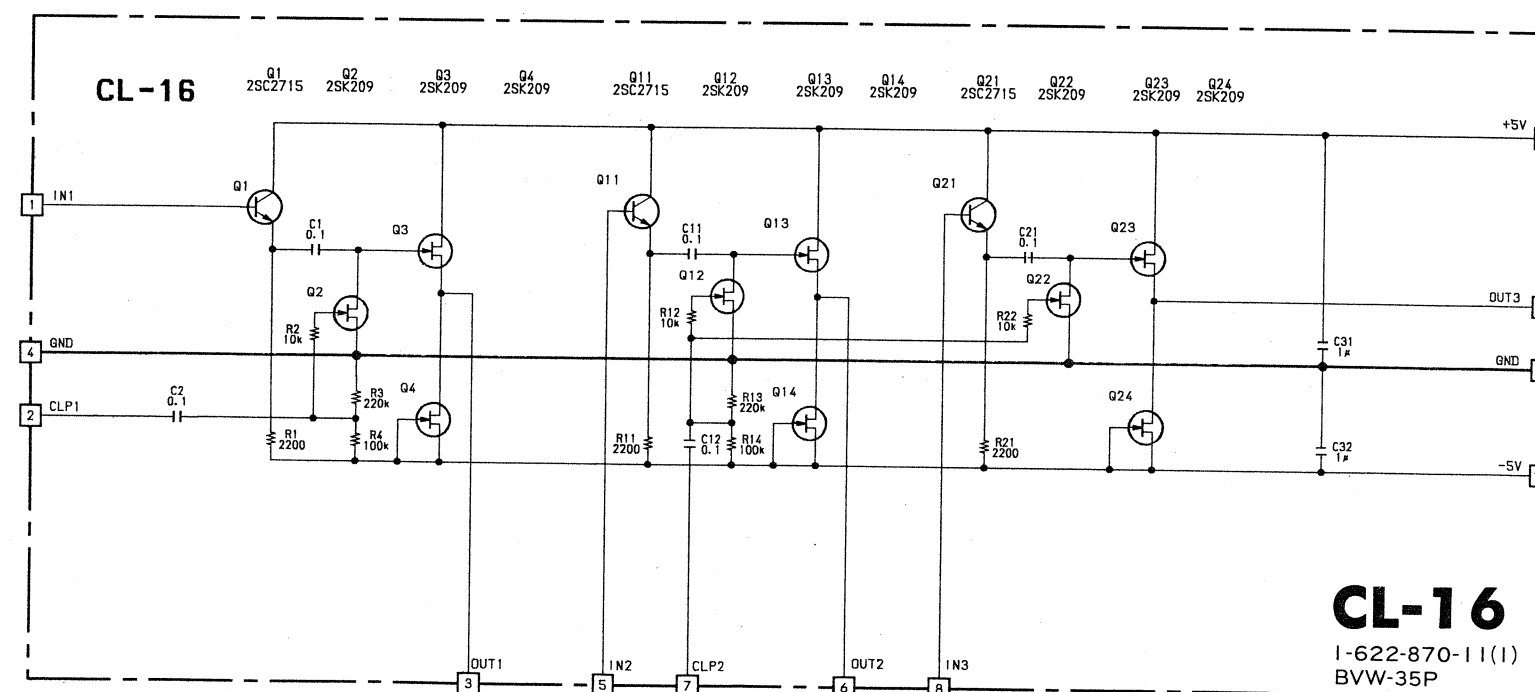
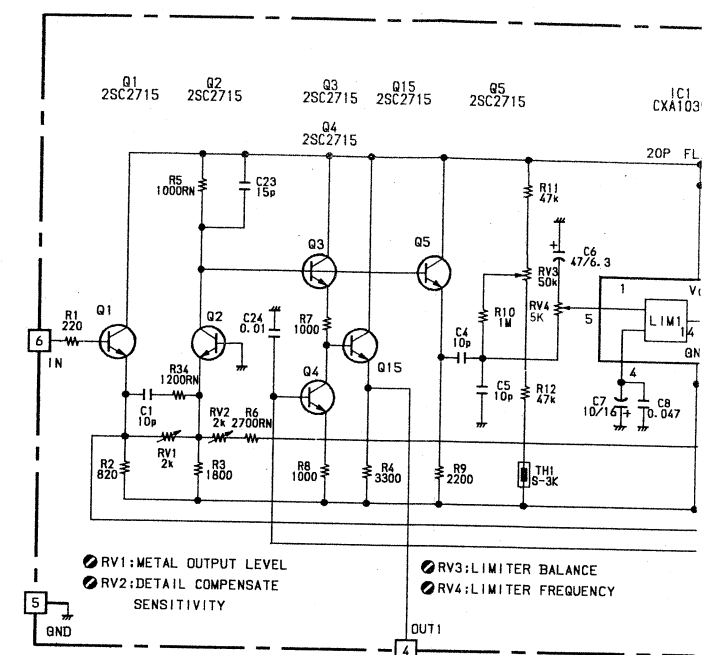
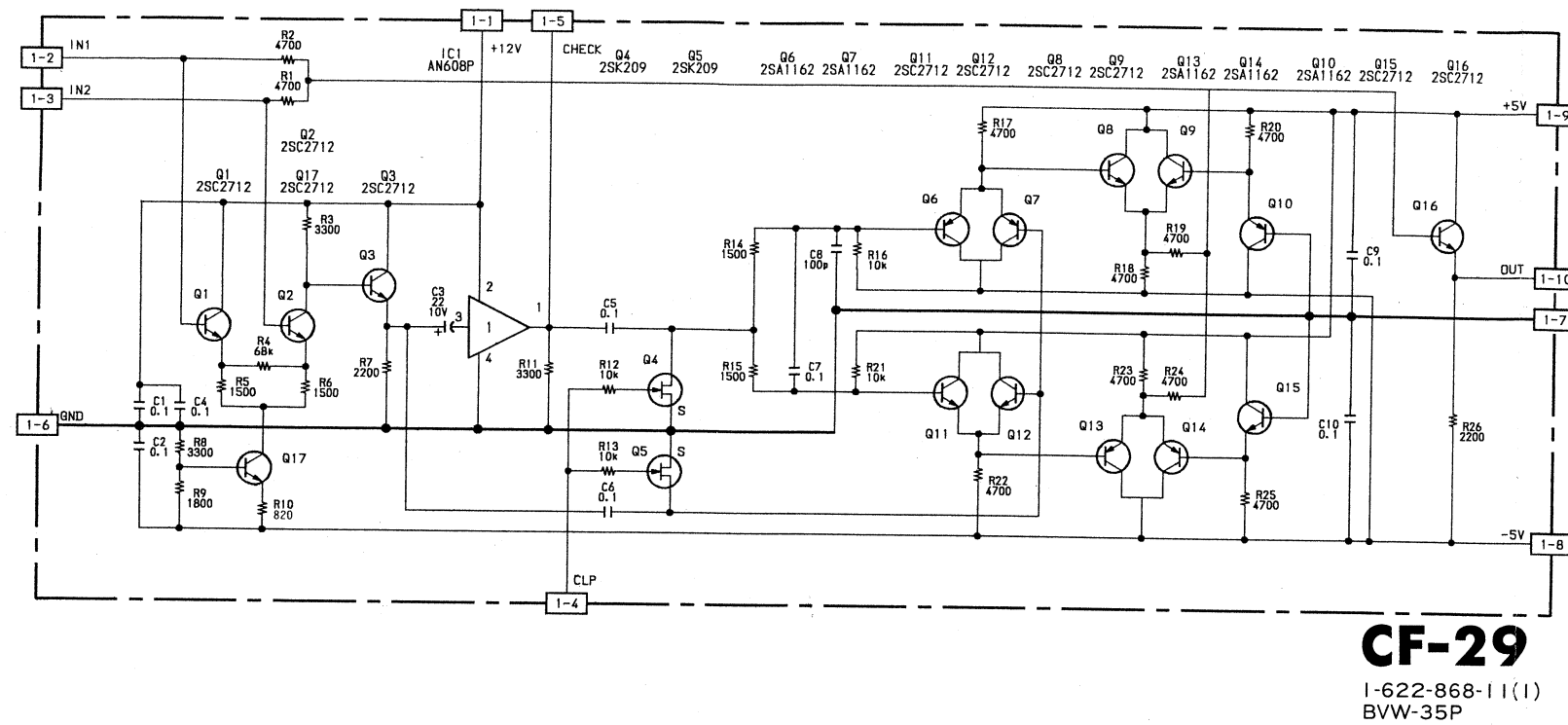
14-83

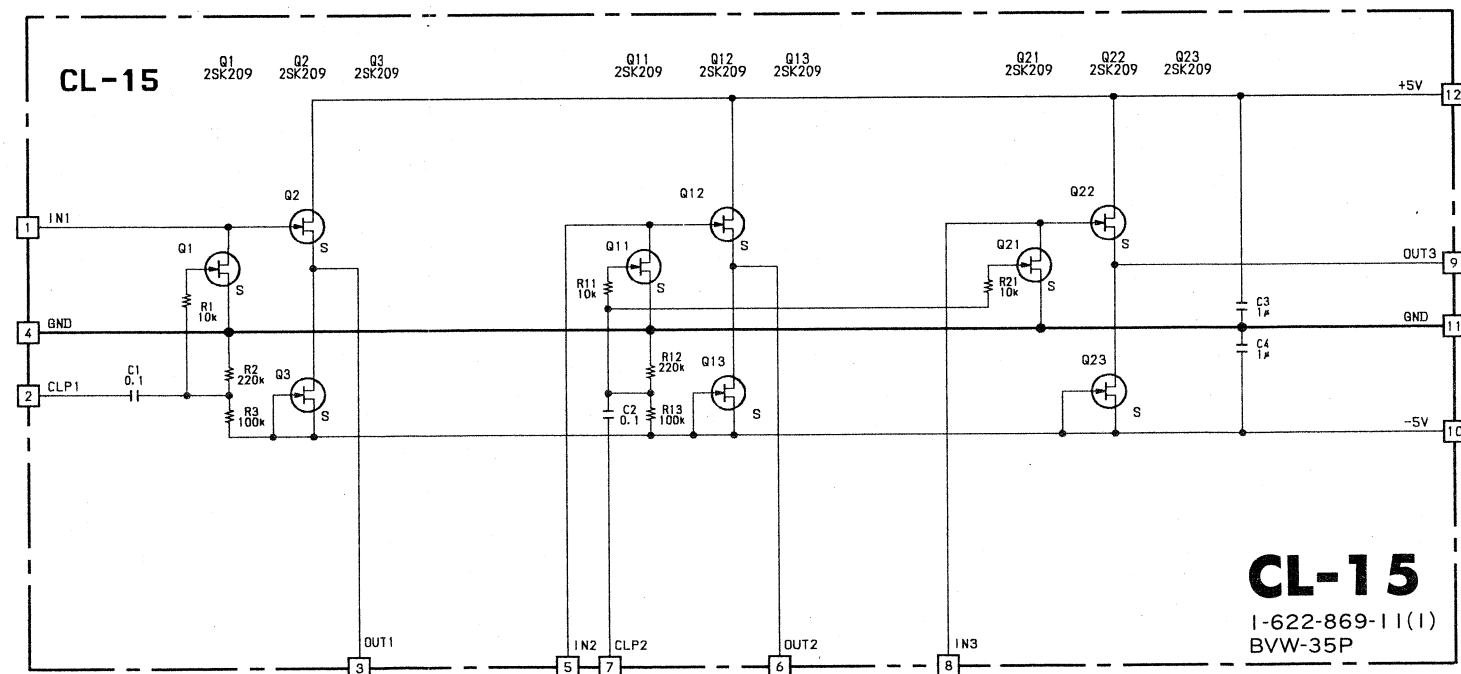
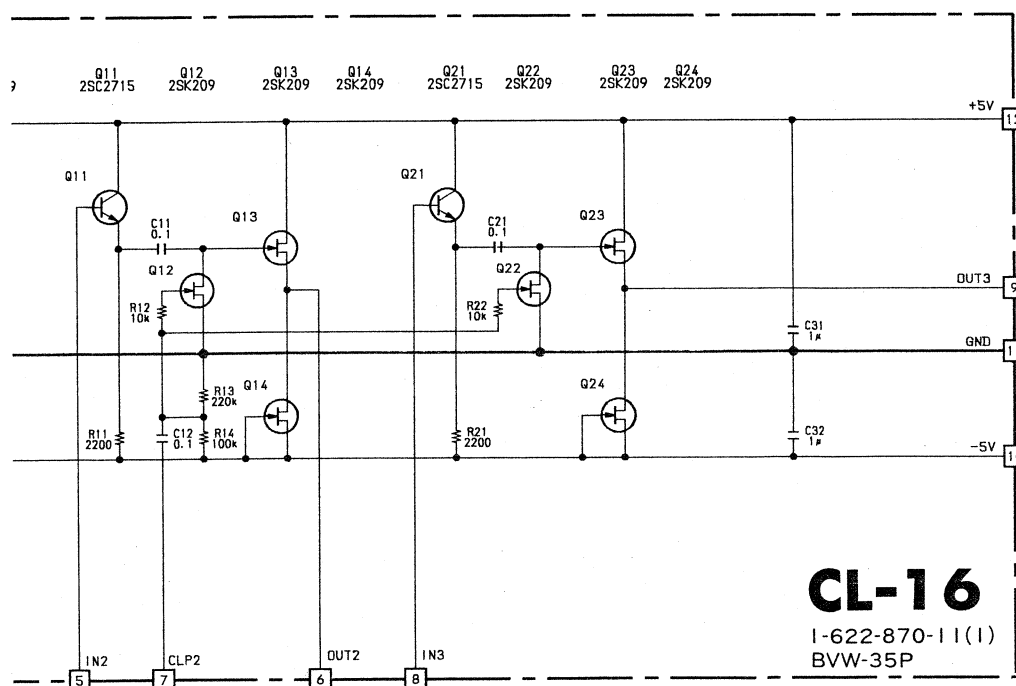
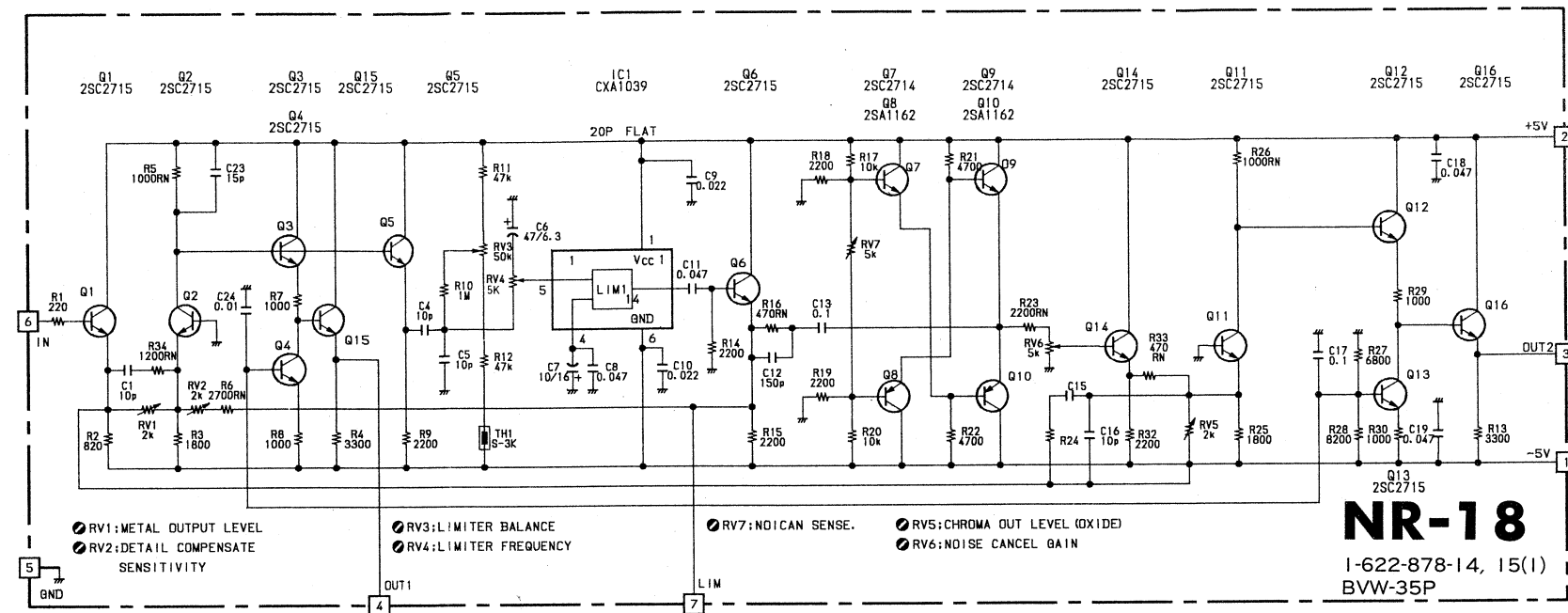
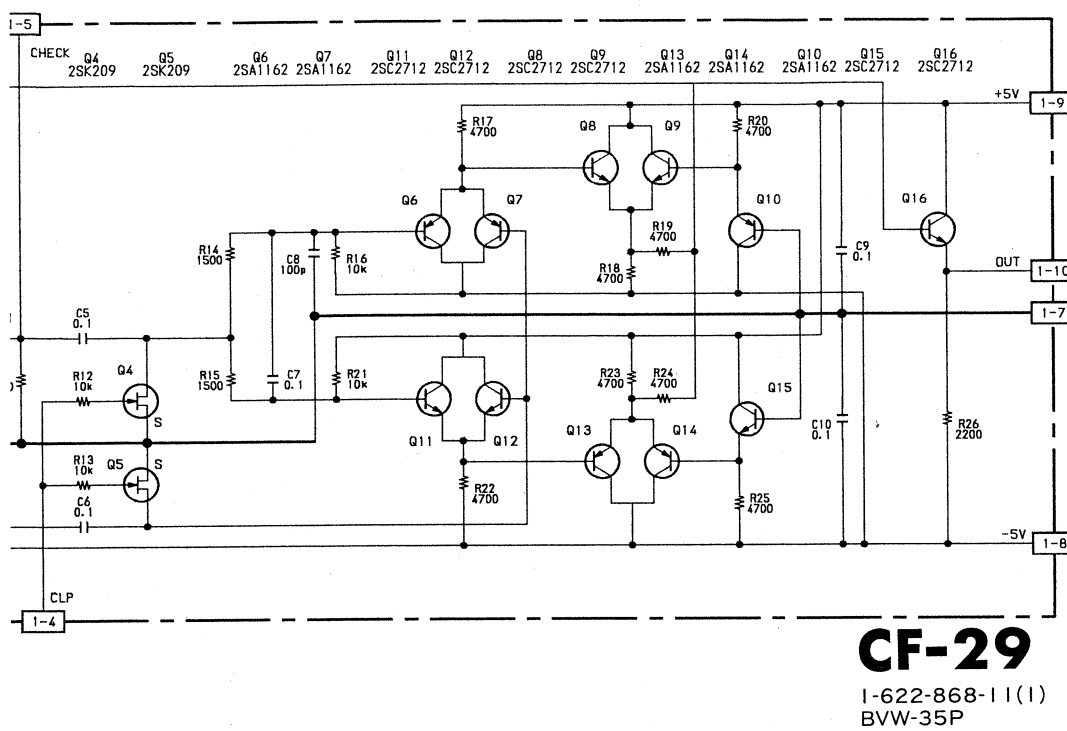


CEC-3P(3/3); CTD/EXPANDER

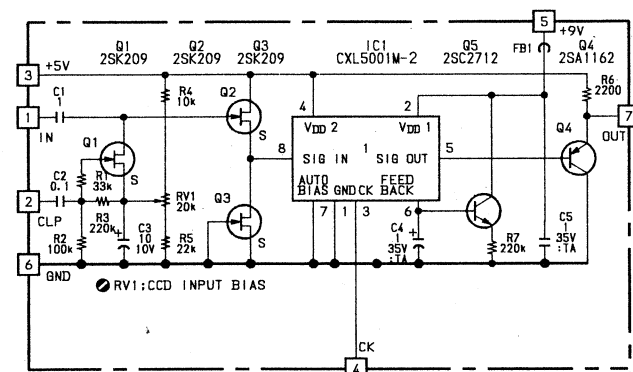


- CF-29; COMB FILTER
CL-15; CLAMPER FOR DL-15 OUT SIGNALS
CL-16; CLAMPER FOR DL-15 IN SIGNALS
NR-18; NOISE CANCELLER FOR PB CTDM SIGNALS



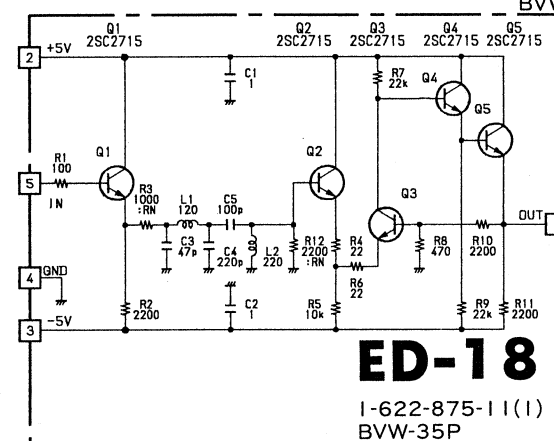


- DL-14; 1H DELAY LINE
DL-15; 1/2H, 1H DELAY LINE
DL-17; 1H DELAY LINE FOR CF
ED-18; EDGE DETECTOR
EQ-23; DELAY CIRCUIT
LM-15; LIMITER FOR PRE-PHASER
LM-16; LIMITER FOR REC 100% CTDM SIGNALS



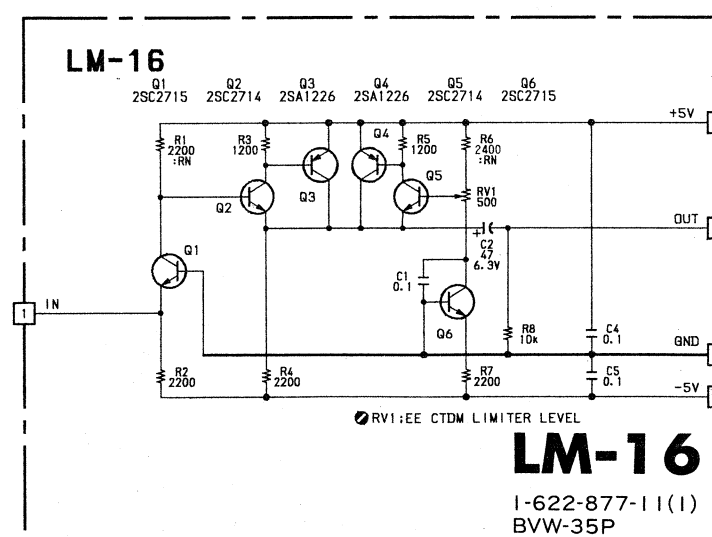
DL-14

I-622-872-12(1)
BVW-35P



ED-18

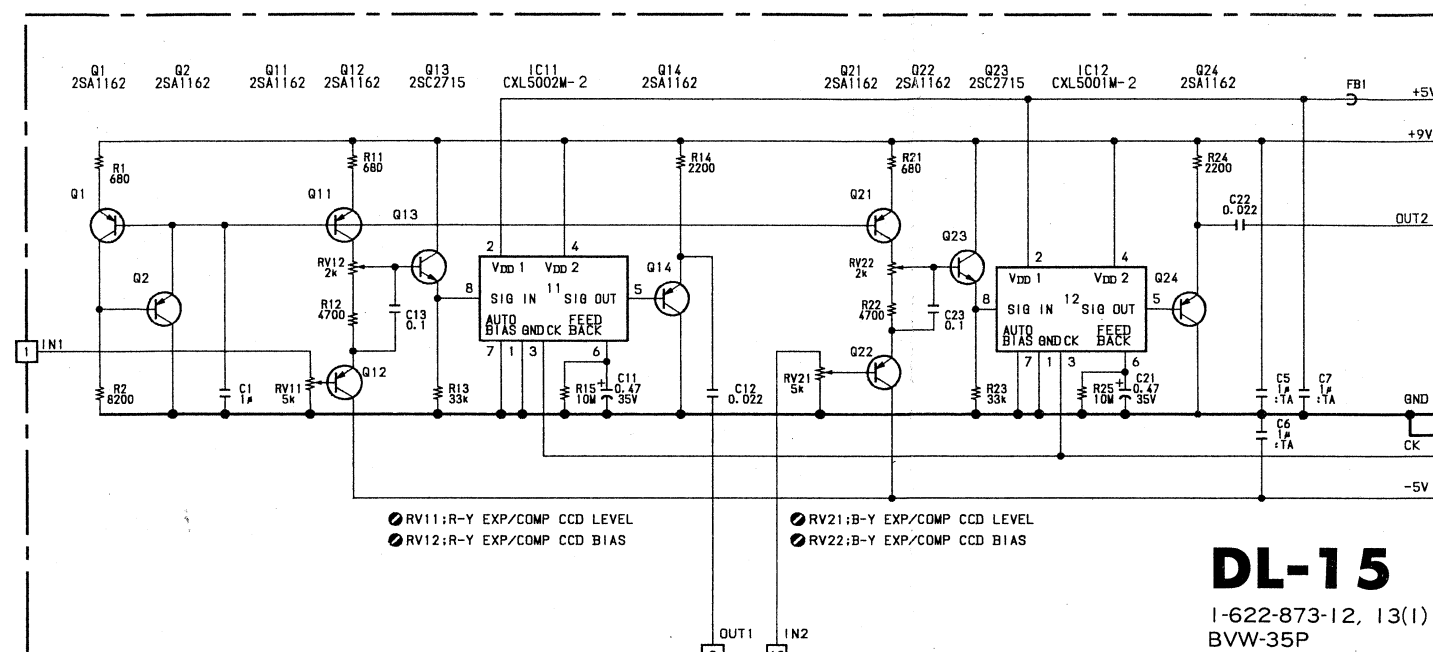
I-622-875-11(1)
BVW-35P



LM-16

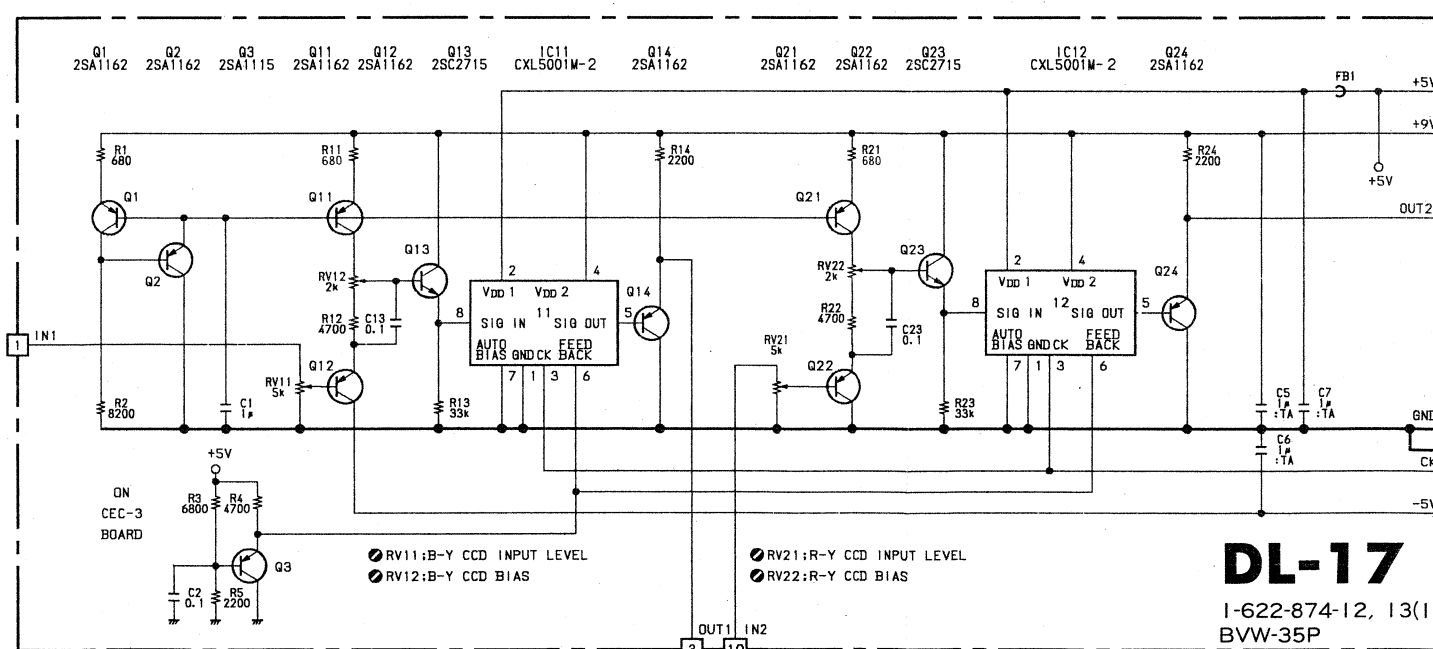
LM-16

I-622-877-11(1)
BVW-35P



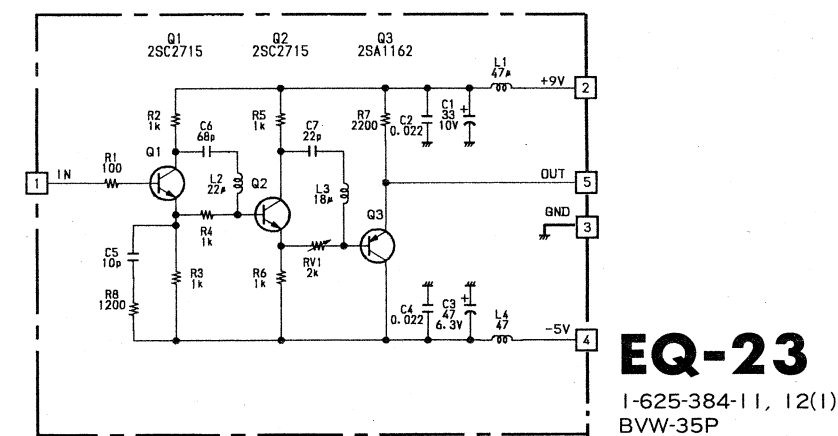
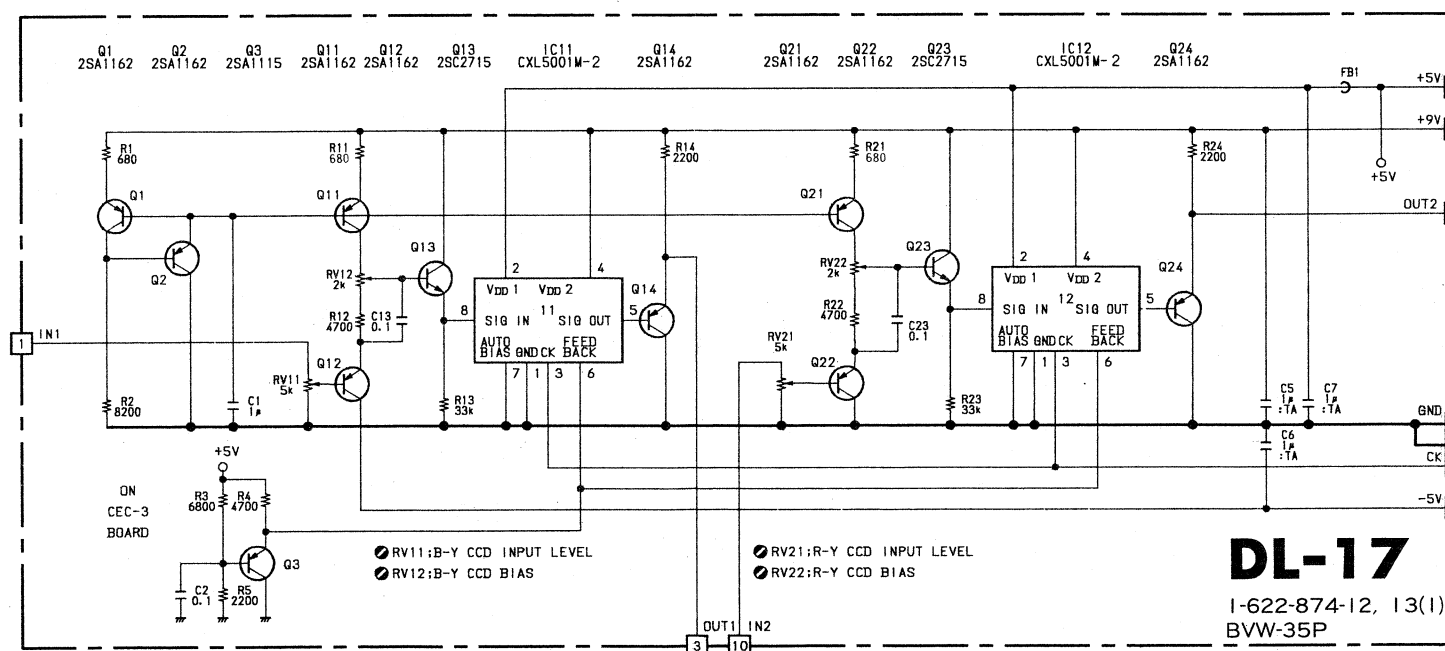
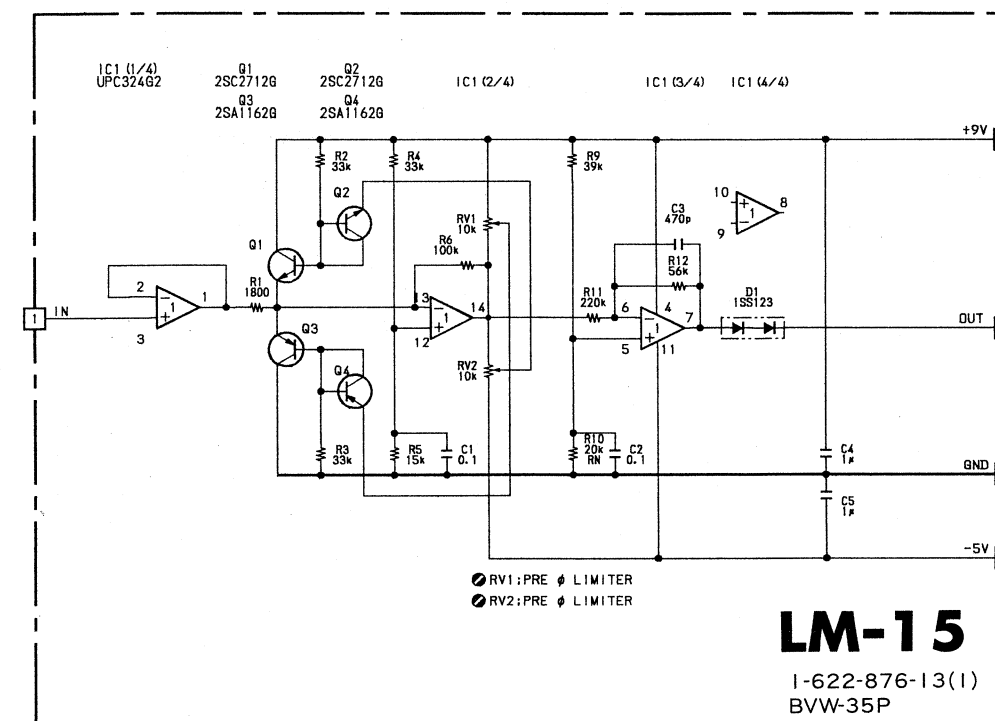
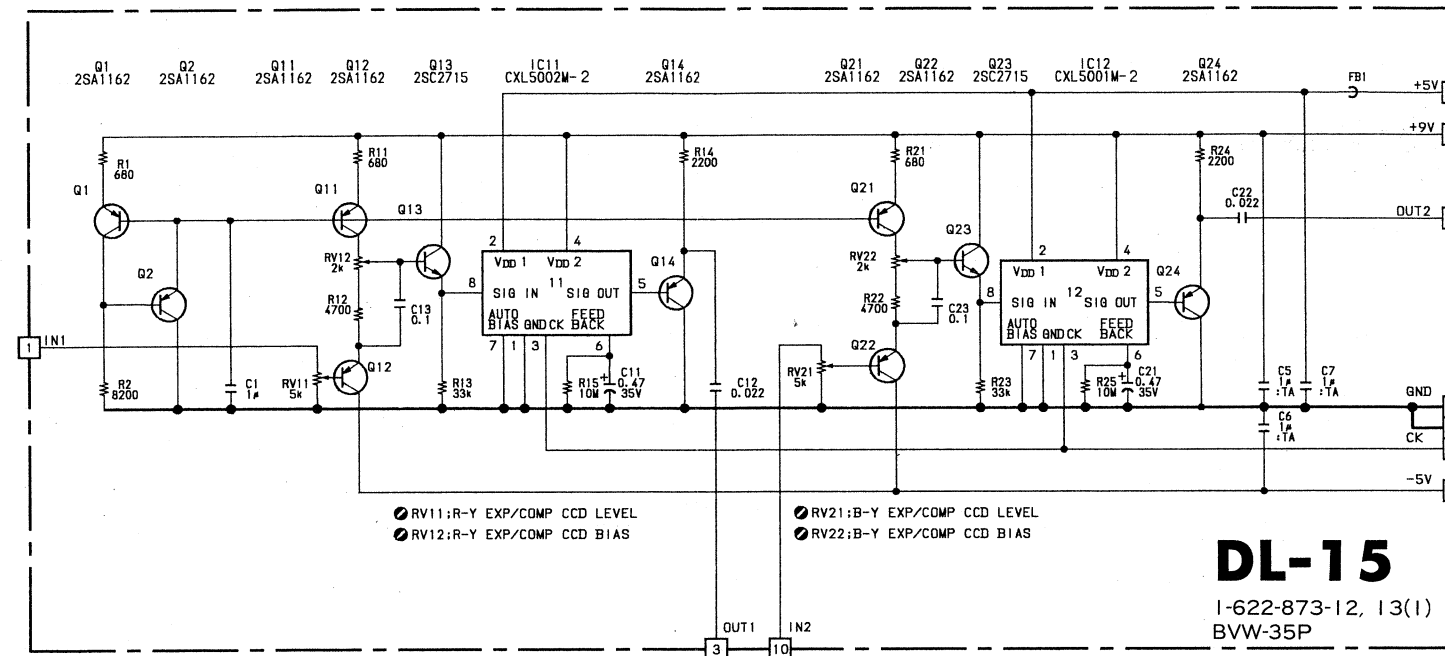
DL-15

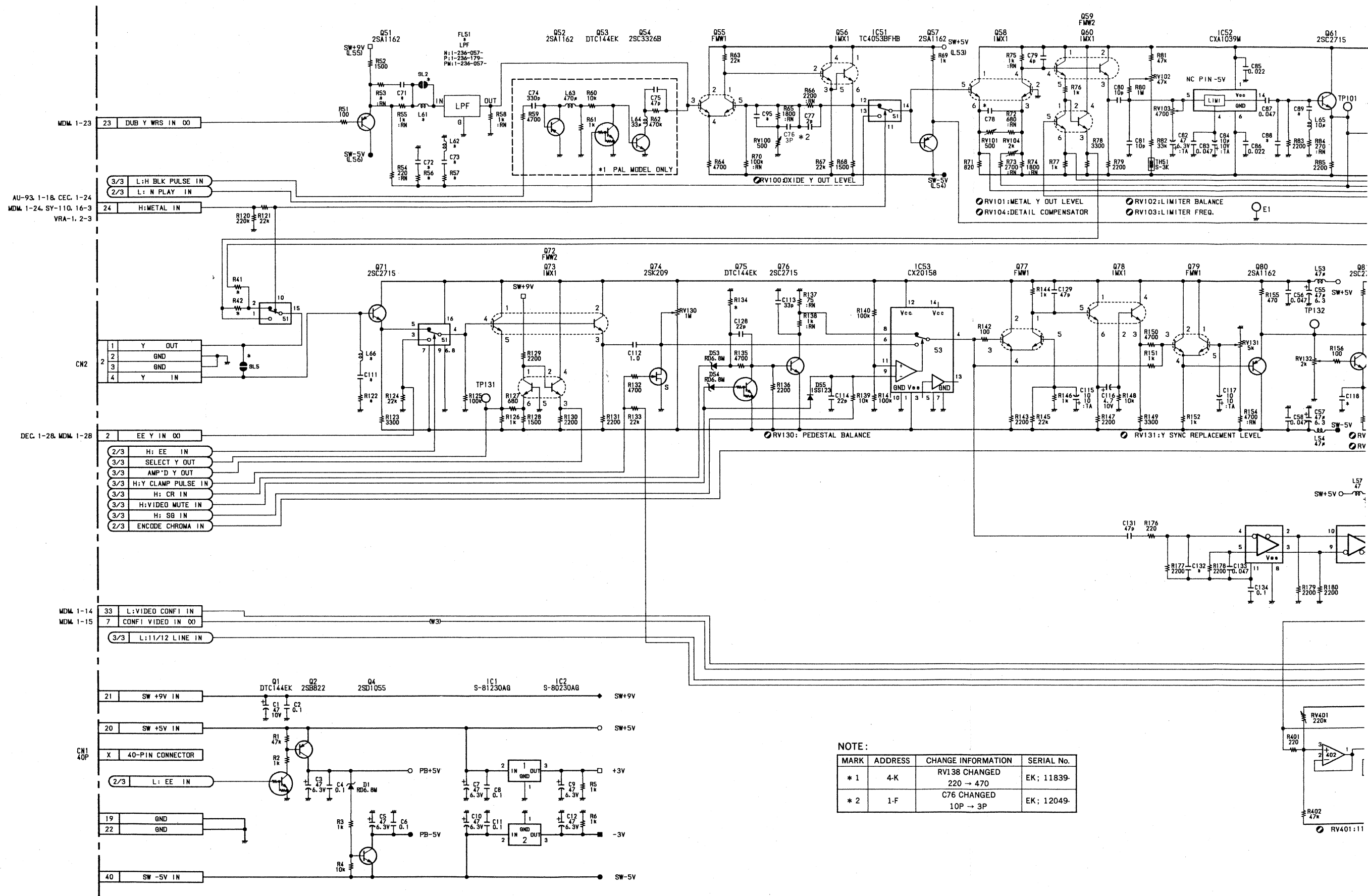
I-622-873-12, 13(1)
BVW-35P

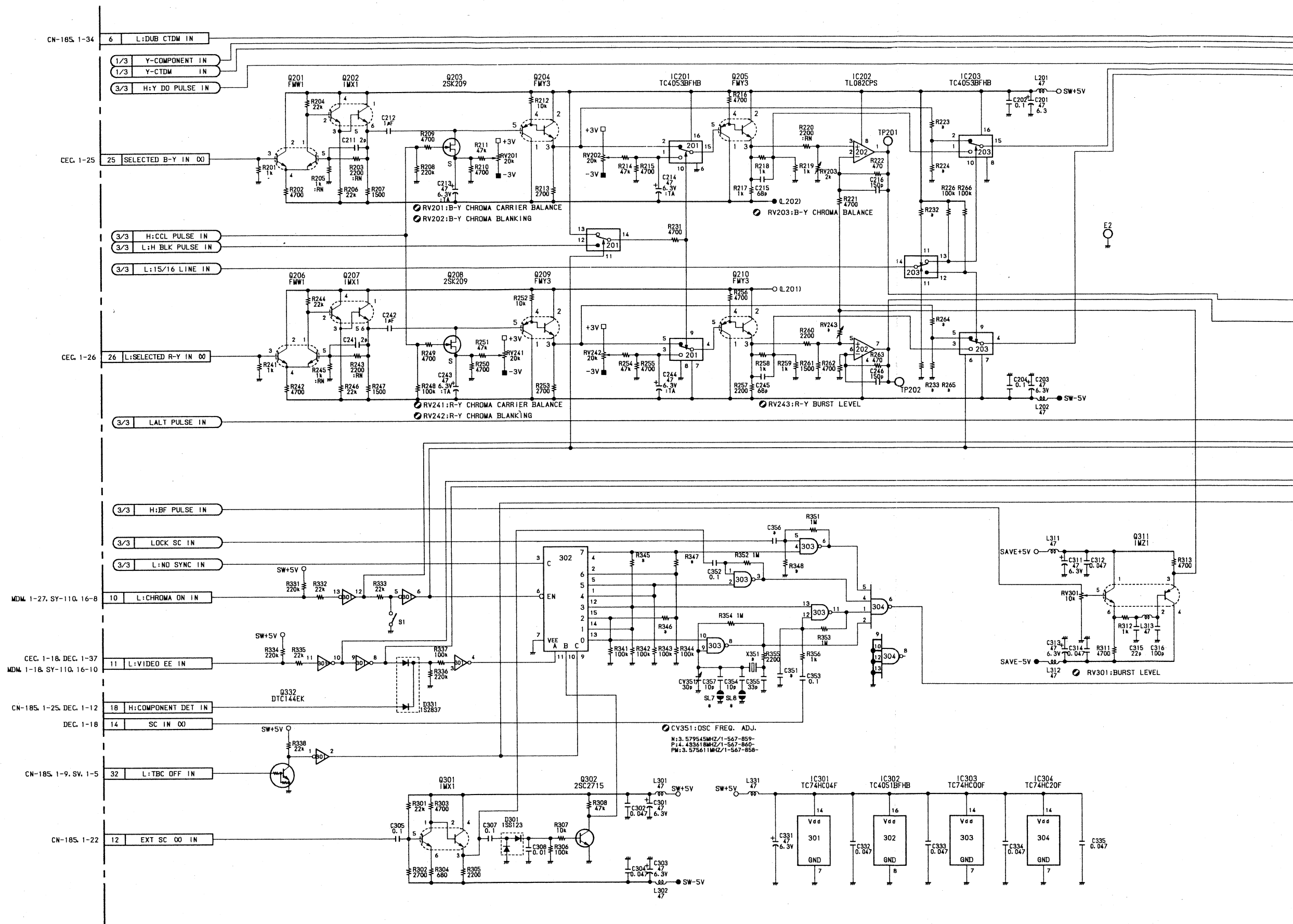


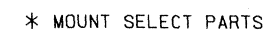
DL-17

I-622-874-12, 13(1)
BVW-35P



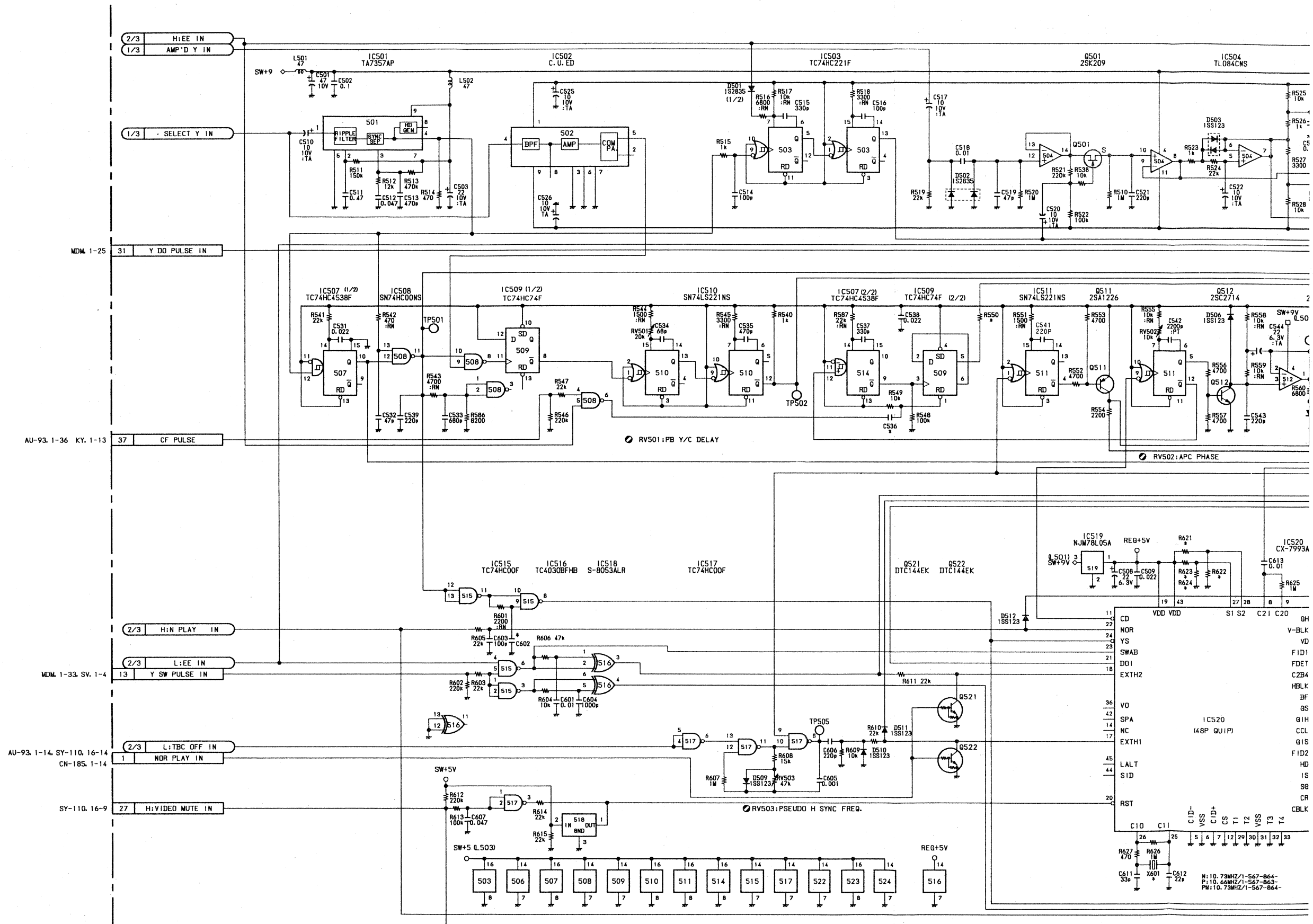


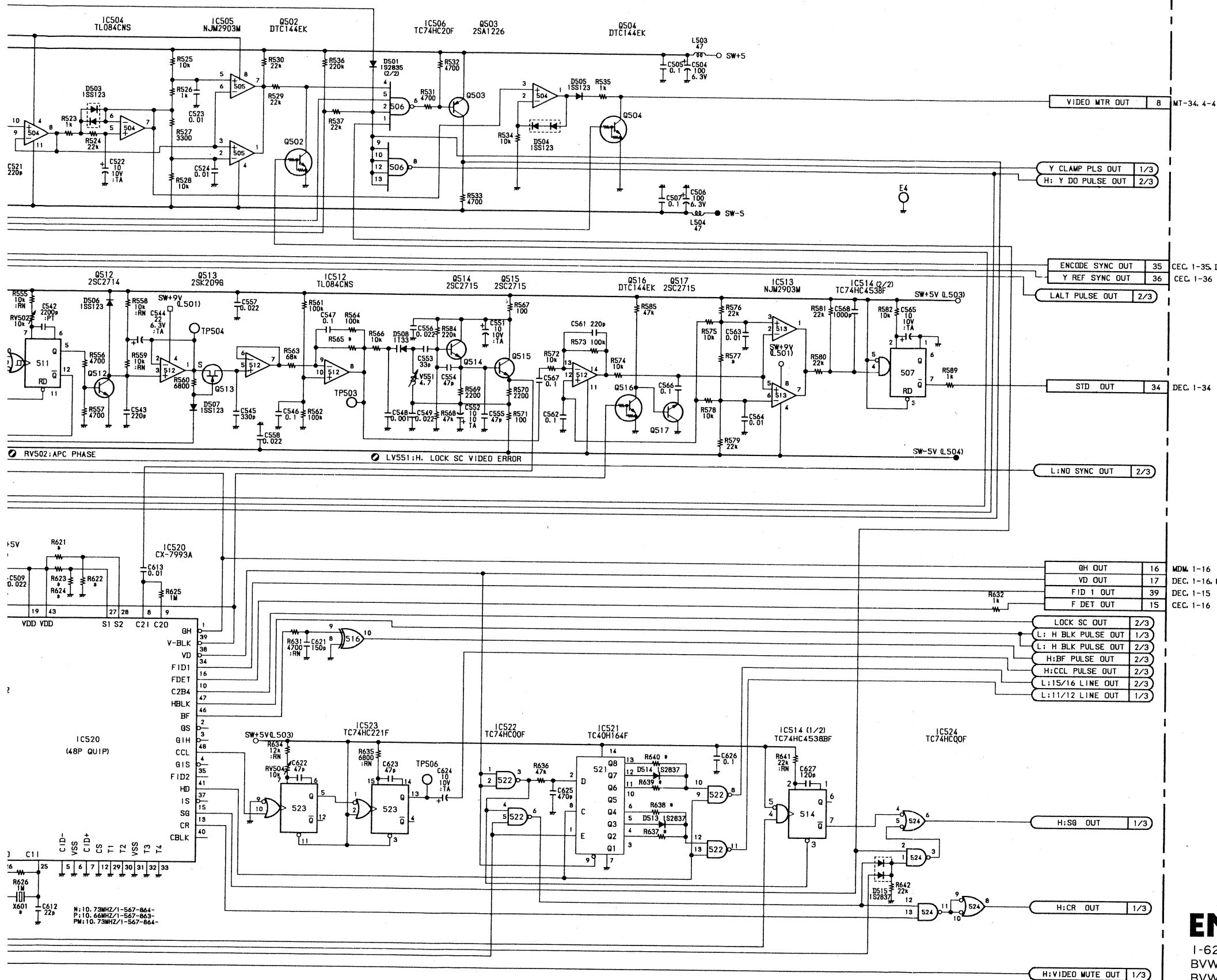




ENC-1 1 / P / PM(2/3)

14-120





* MOUNT SELECT PARTS

REF. NO.	NTSC	PAL-M	PAL
C536		1000P	1000P
C602			
R550		1K	1K
R565	100K	33K	33K
R577	1.5K	560	560
R621	0	0	0
R622	0	0	0
R623	0	0	0
R624			0
R637	22K	22K	22K
R638			22K
R639	22K	22K	22K
R640			22K
X601	REMARKED BESIDE THE PART		

ENC-11/P/PM(3/3)

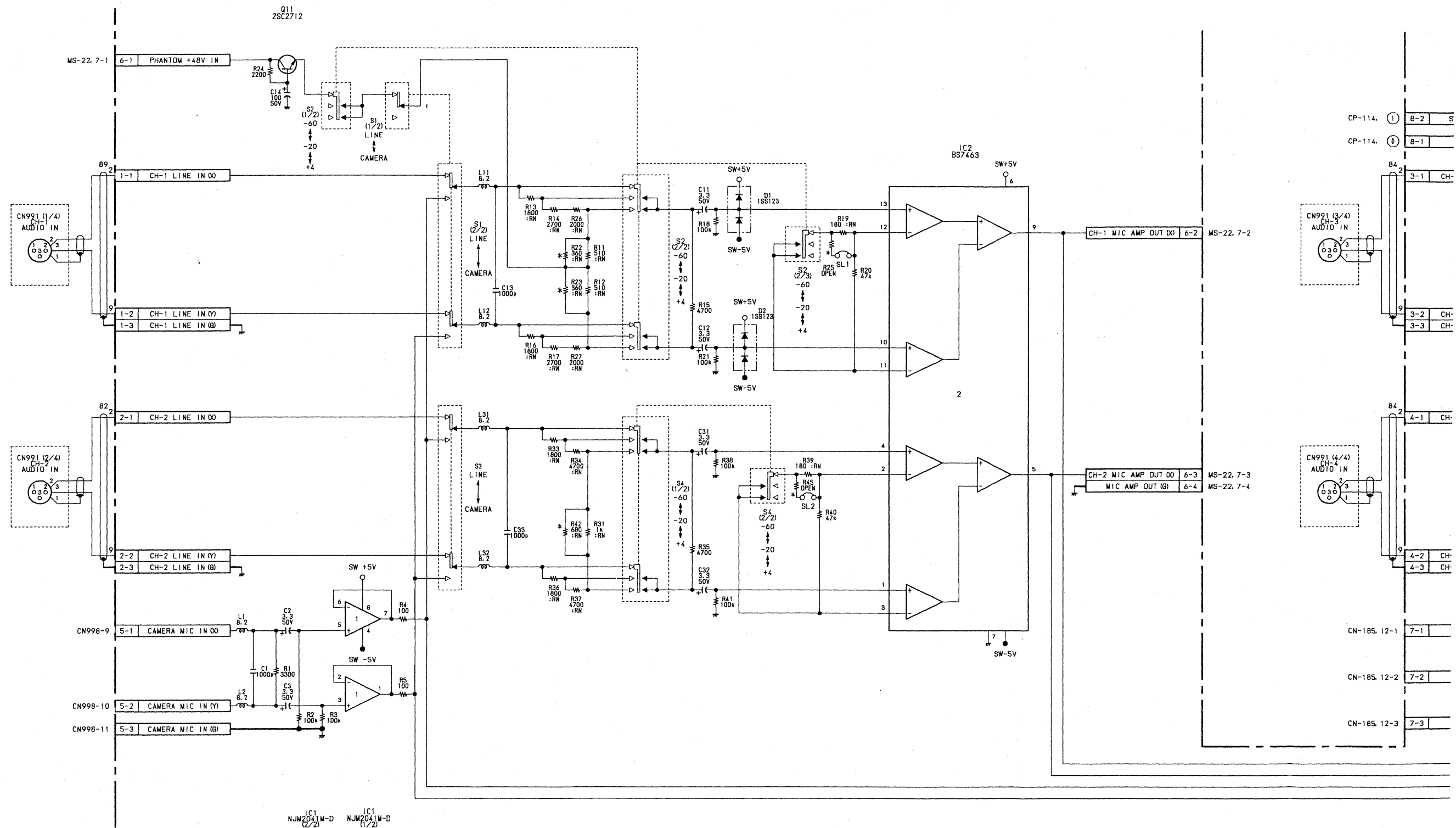
1-629-801-11, 12(1)

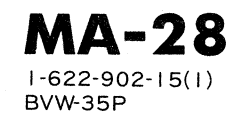
BVW-35

BVW-35P

BVW-35PM

28; MIC AMPLIFIER



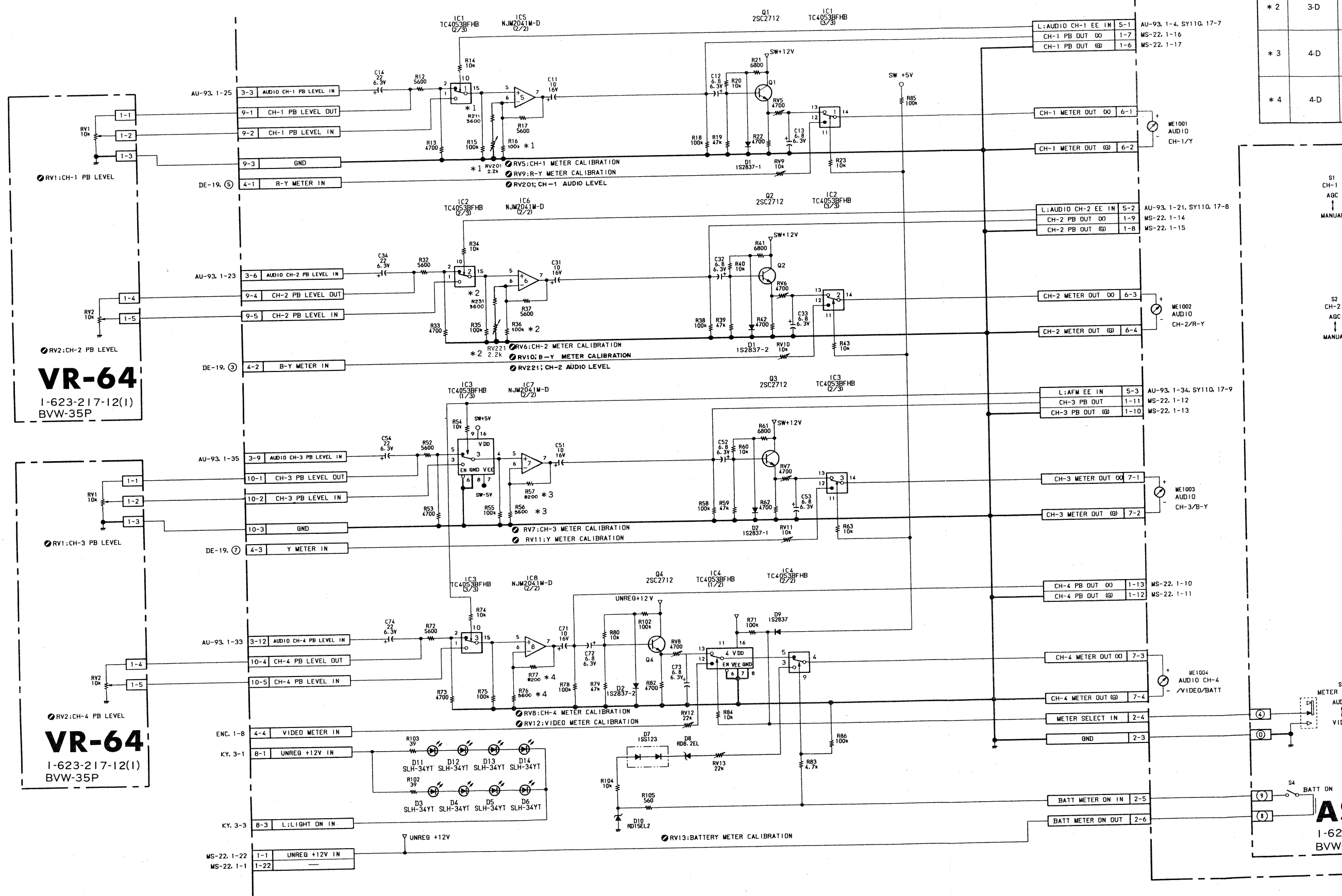


NOTE:

MARK	ADDRESS
* 1	2-D
* 2	3-D
* 3	4-D
* 4	4-D

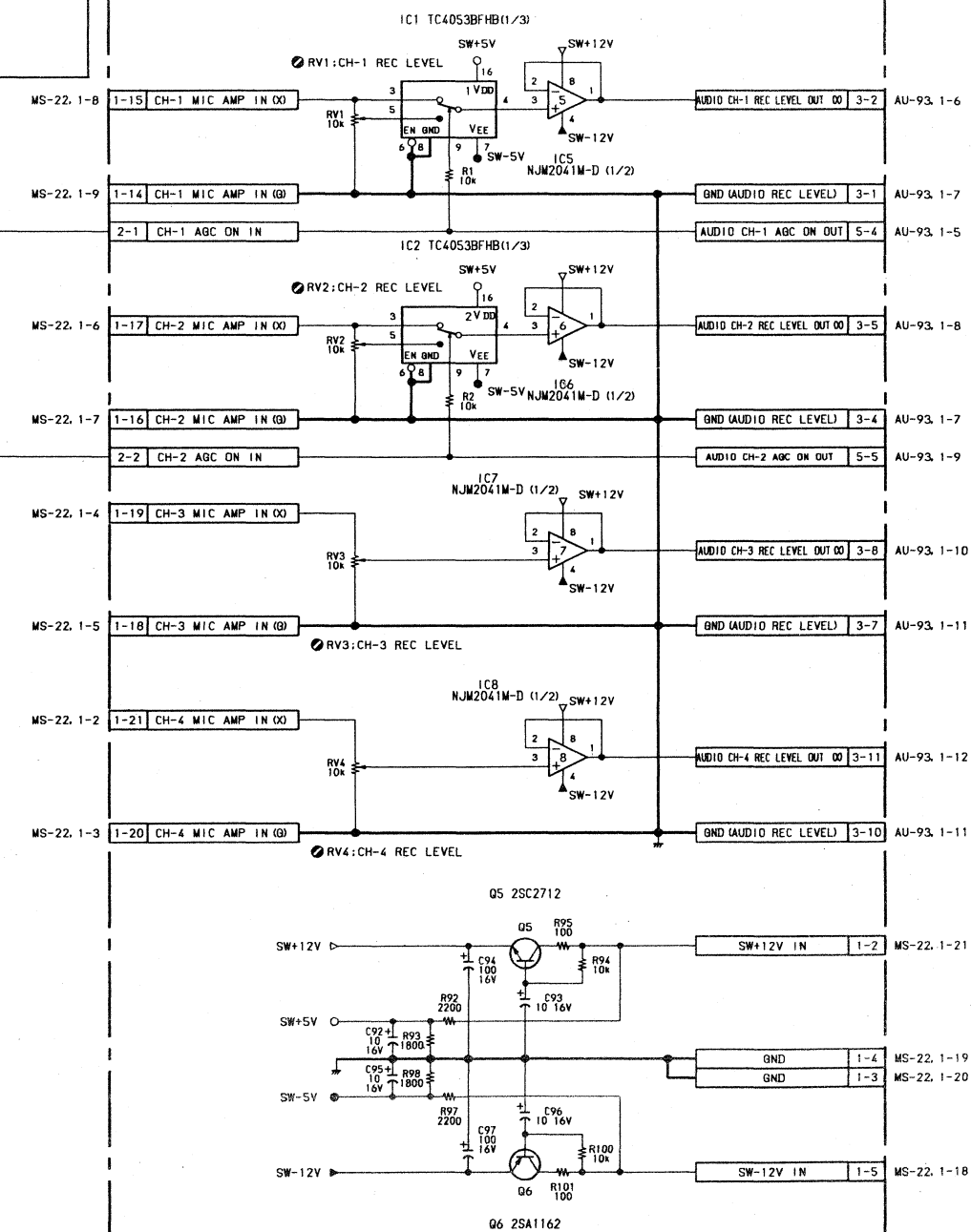
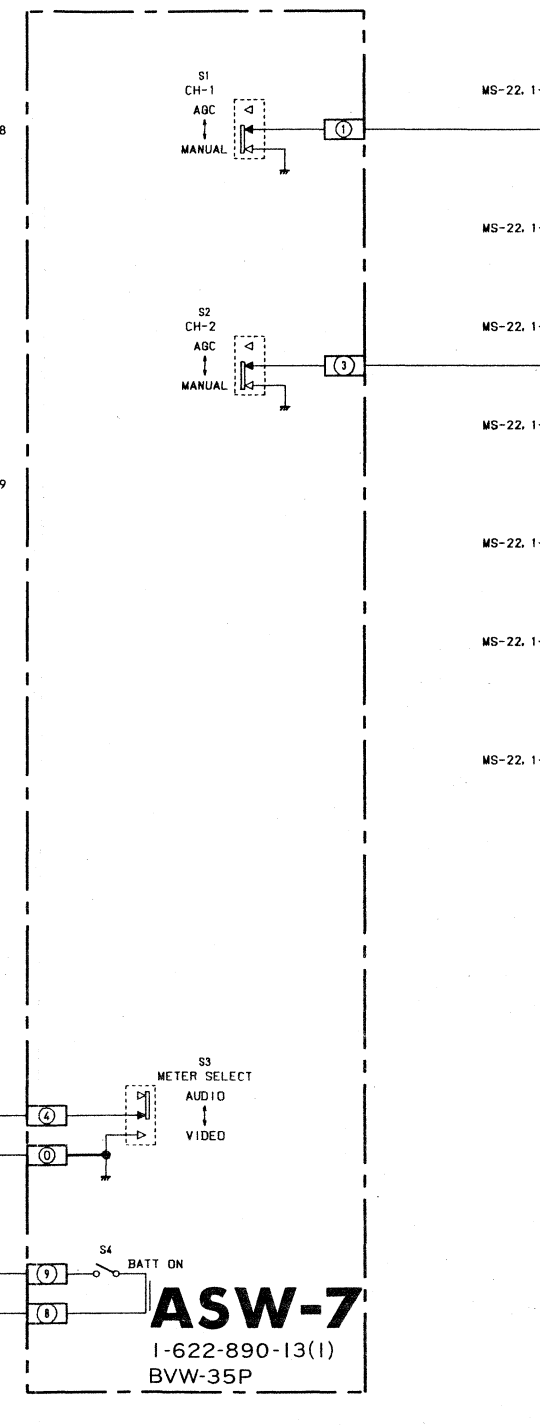
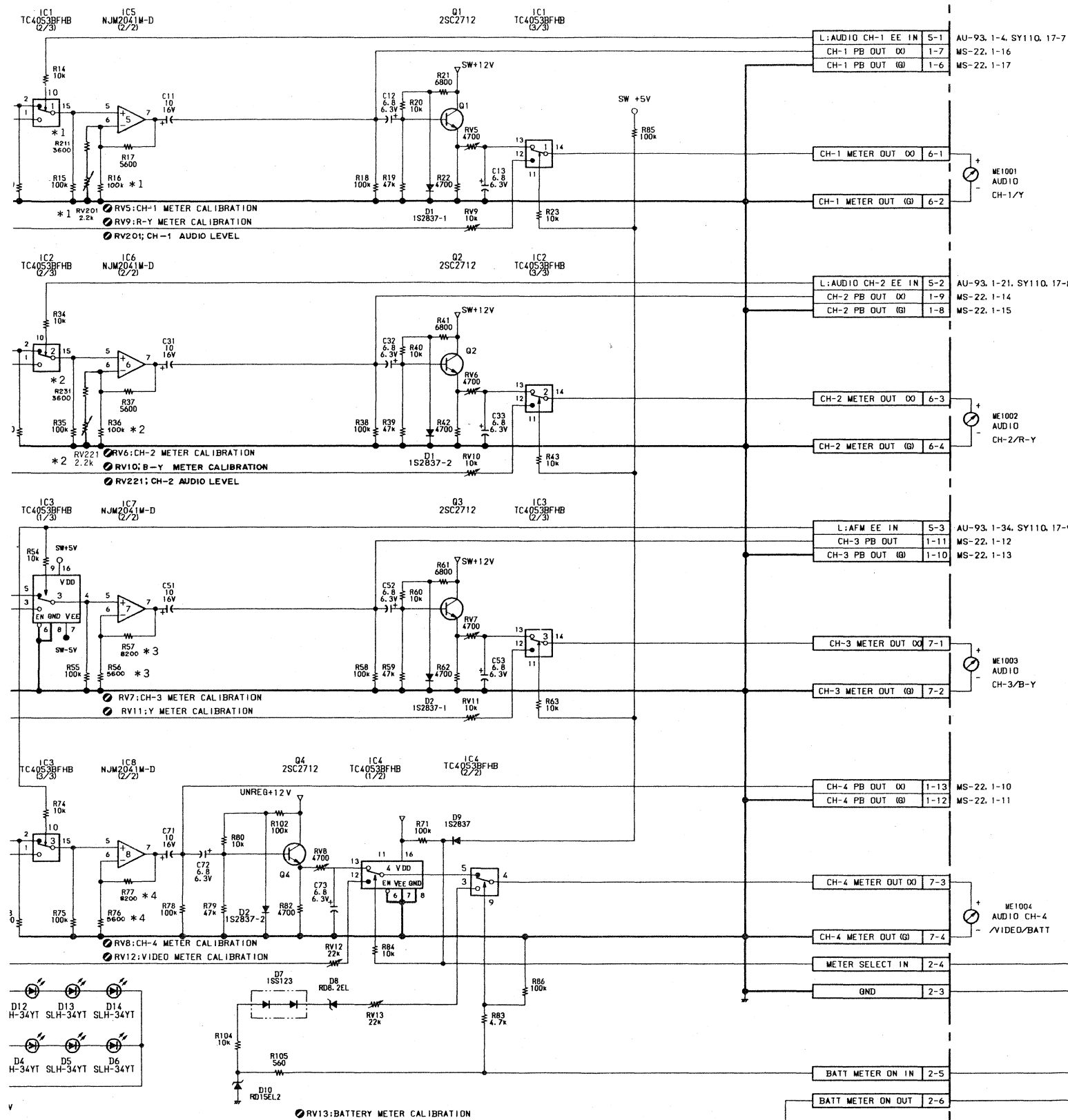
IT-34, VR-64, ASW-7

MT-34; METER DRIVE
AUDIO LEVEL
VR-64; PB LEVEL
ASW-7; AUDIO FRONT SWITCH



NOTE:

MARK	ADDRESS	CHANGE INFORMATION	SERIAL No.
* 1	2-D	R16 CHANGED 4700 → 100k ADDED R211, RV201	EK; 11769-
* 2	3-D	R36 CHANGED 4700 → 100k ADDED R231, RV221	
* 3	4-D	R56 CHANGED 4700 → 5600 R57 CHANGED 5600 → 8200	
* 4	4-D	R76 CHANGED 4700 → 5600 R77 CHANGED 5600 → 8200	

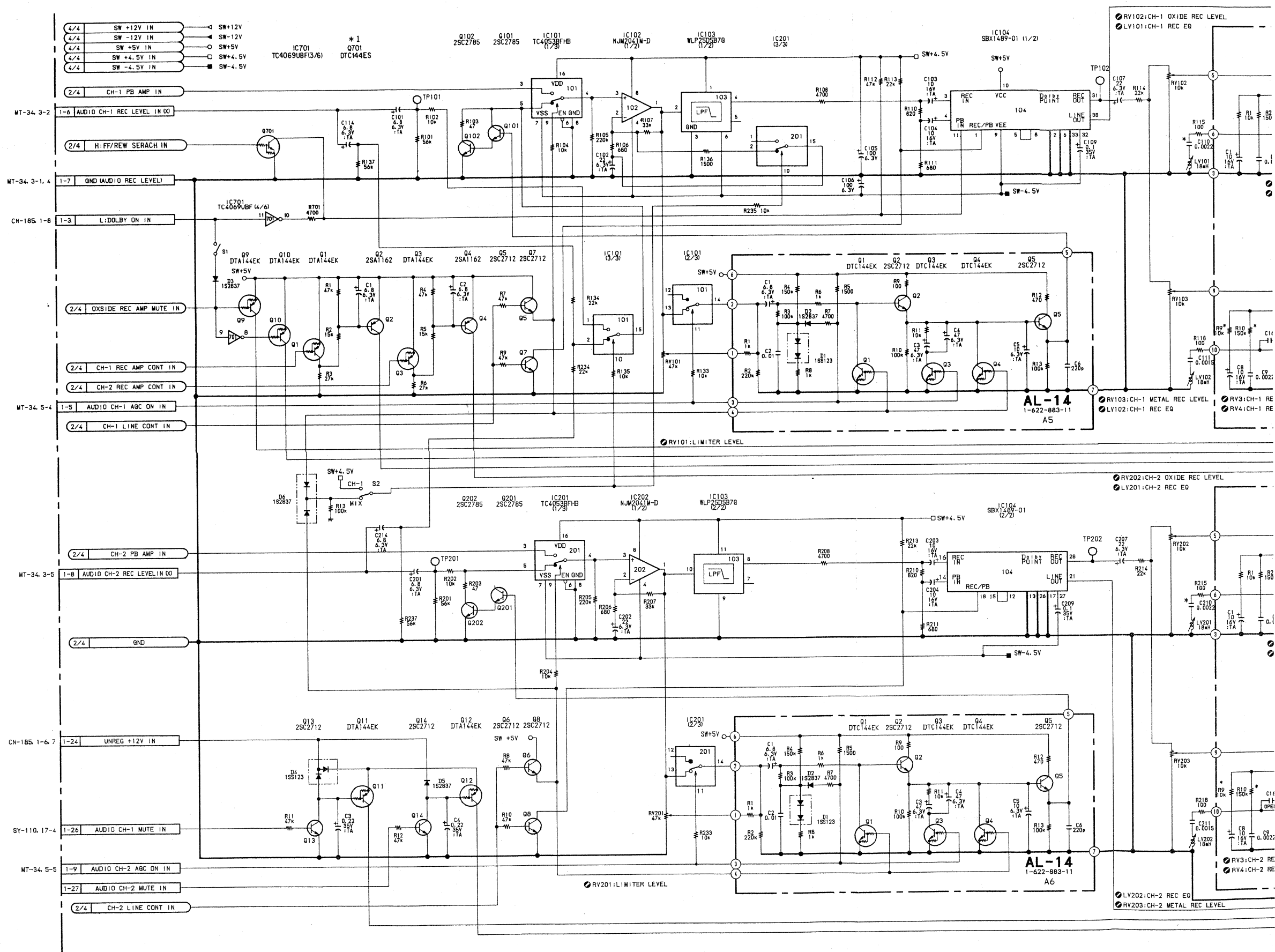


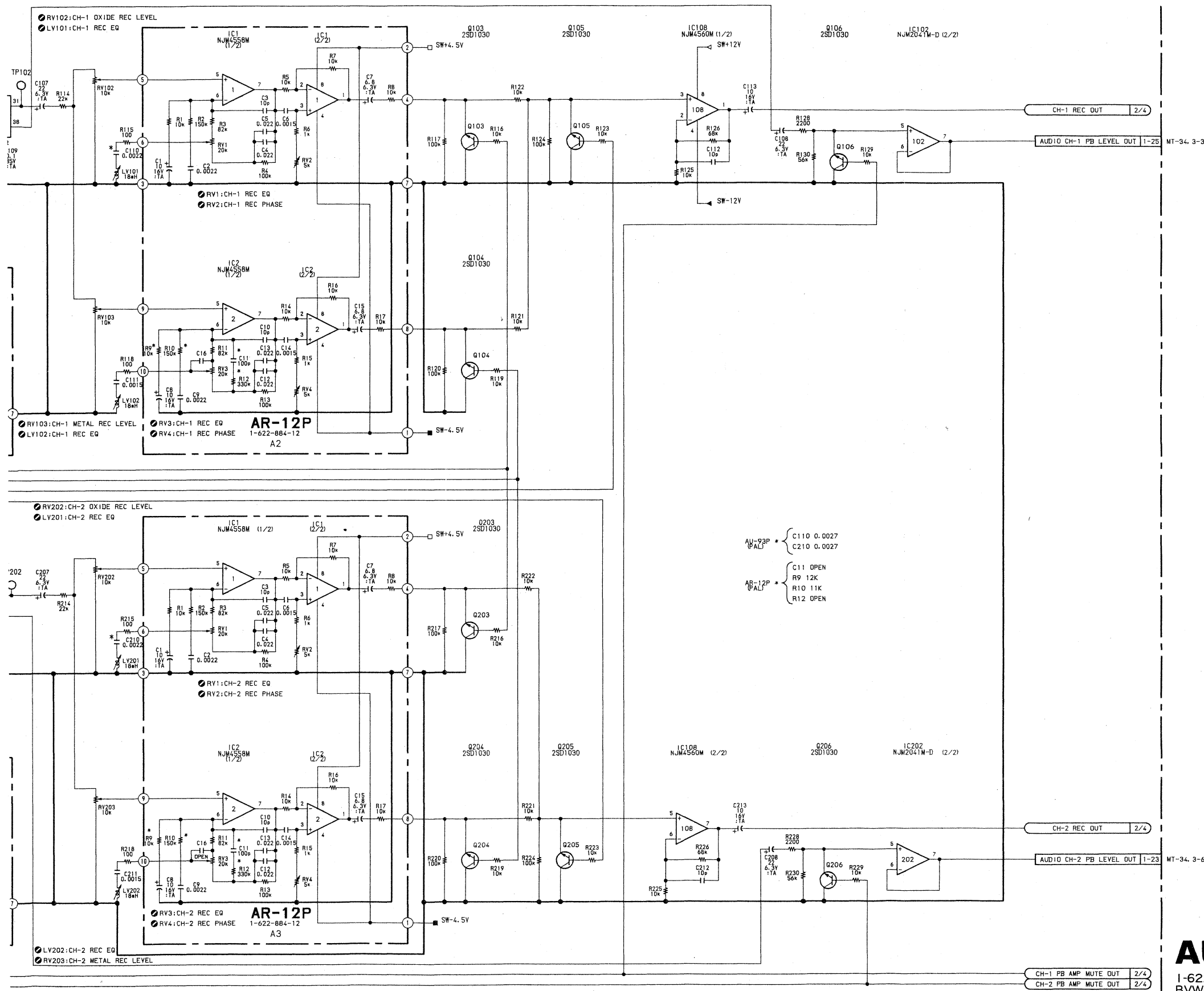
MT-34
I-622-889-14(2)
BVW-35P

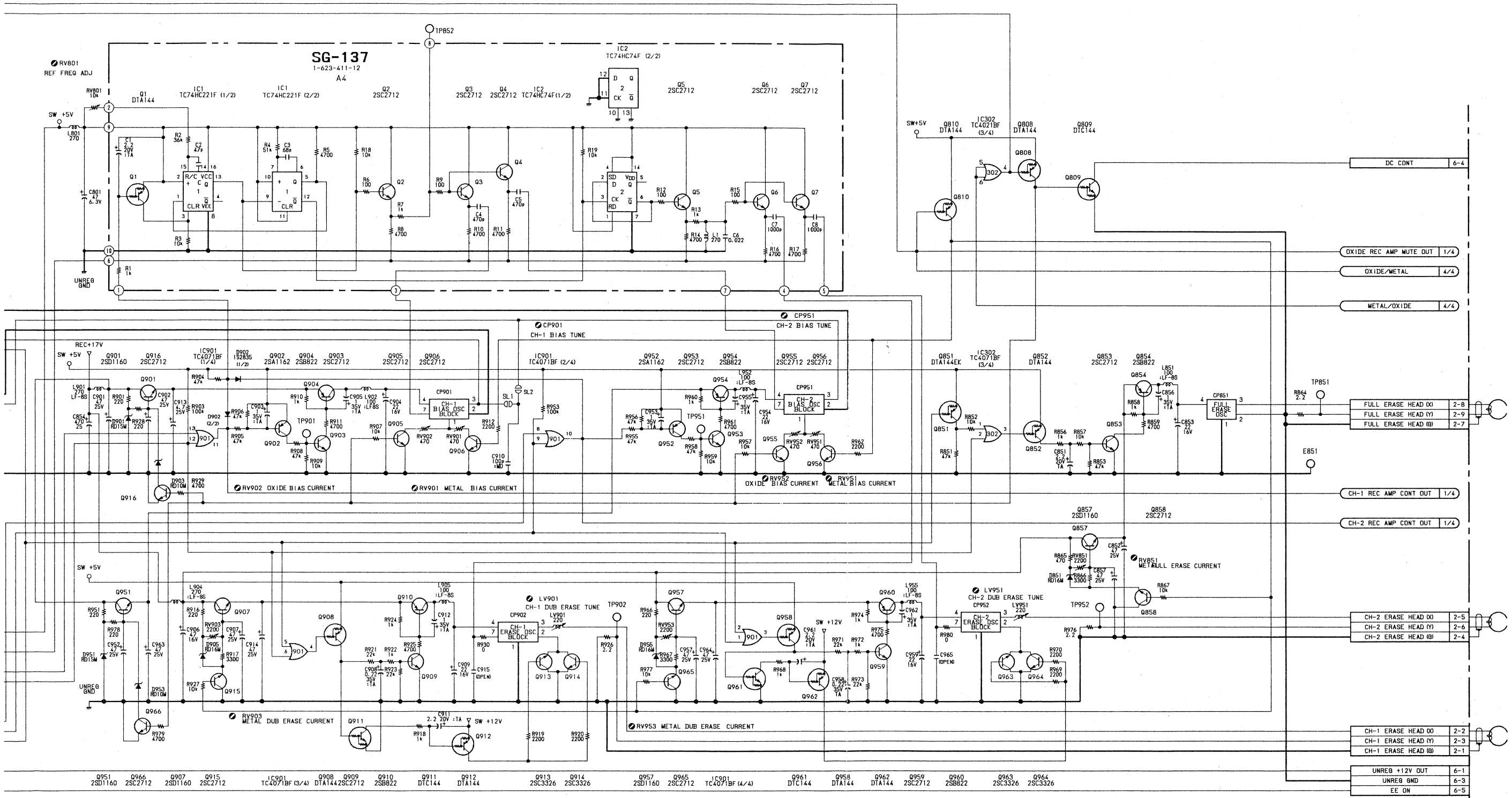
193P(1/4); AUDIO REC/PB AMPLIFIER

L-14; AGC/LIMITER

AR-12P; REC AMPLIFIER







AU-93P(2/4)

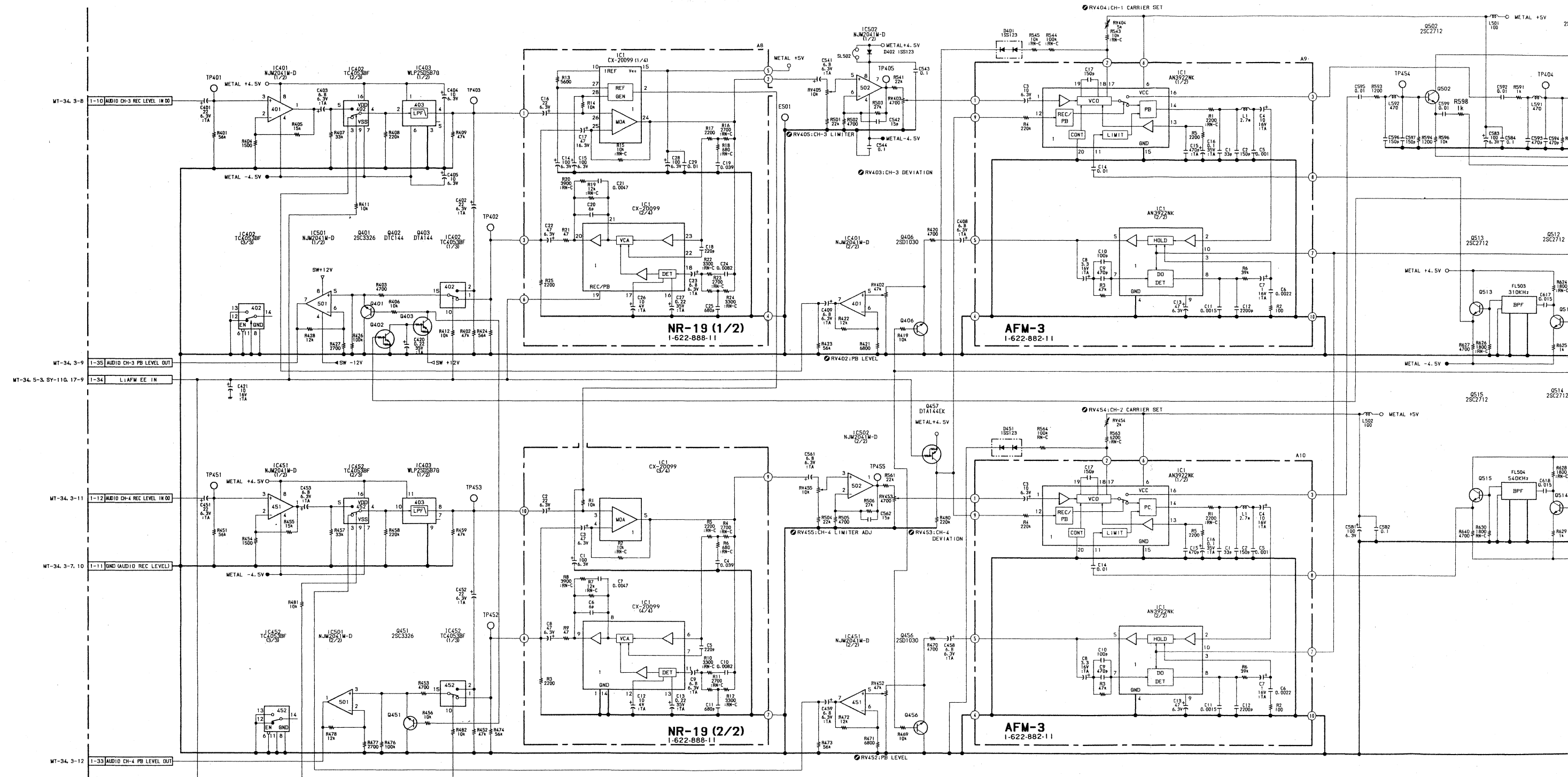
1-622-881-14(1)
BVW-35P

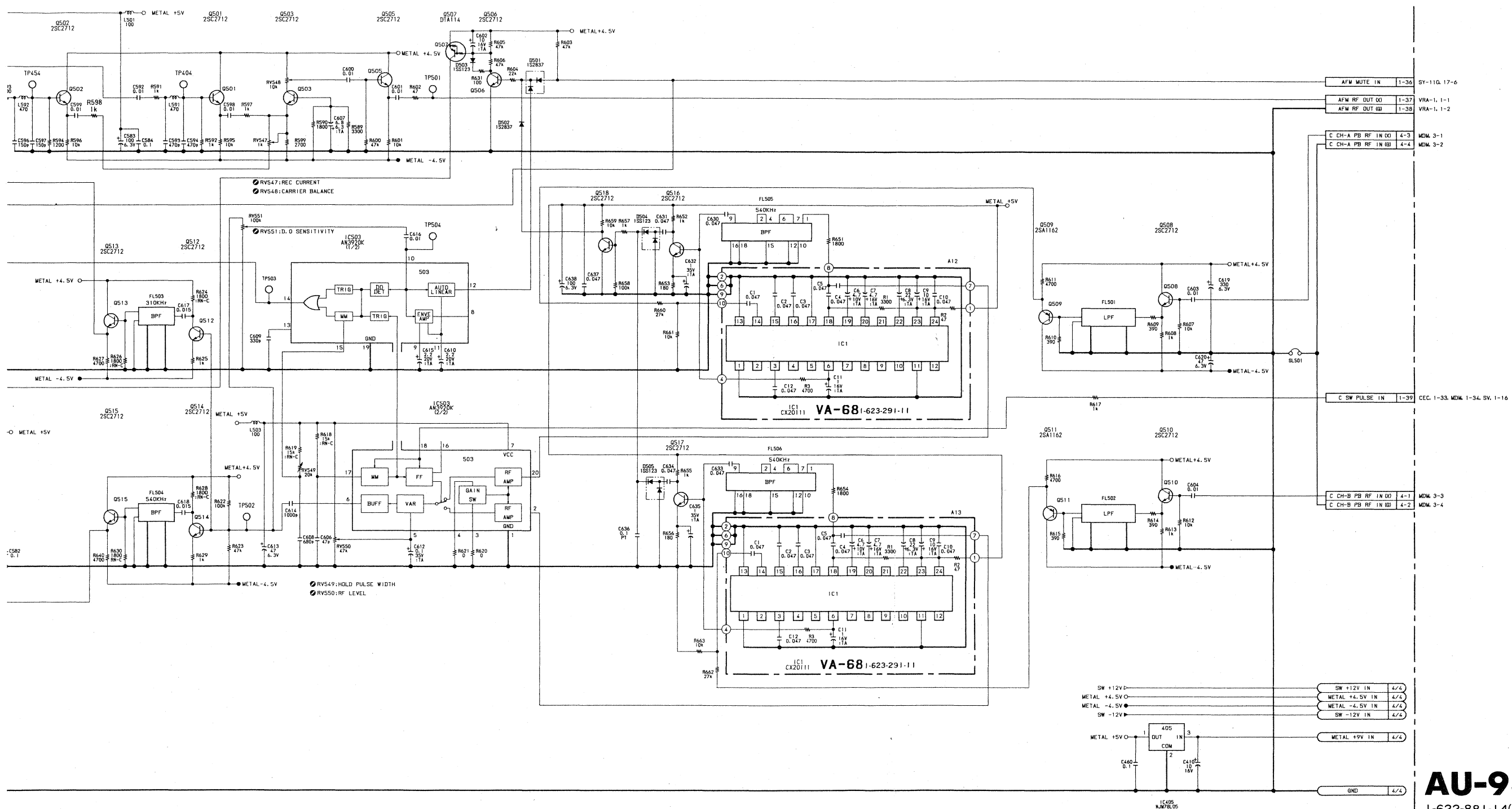
AU-93P(3/4); AUDIO REC/PB AMPLIFIER

AFM-3; FM AUDIO

NR-19; NOISE REDUCTION

VA-68; AGC



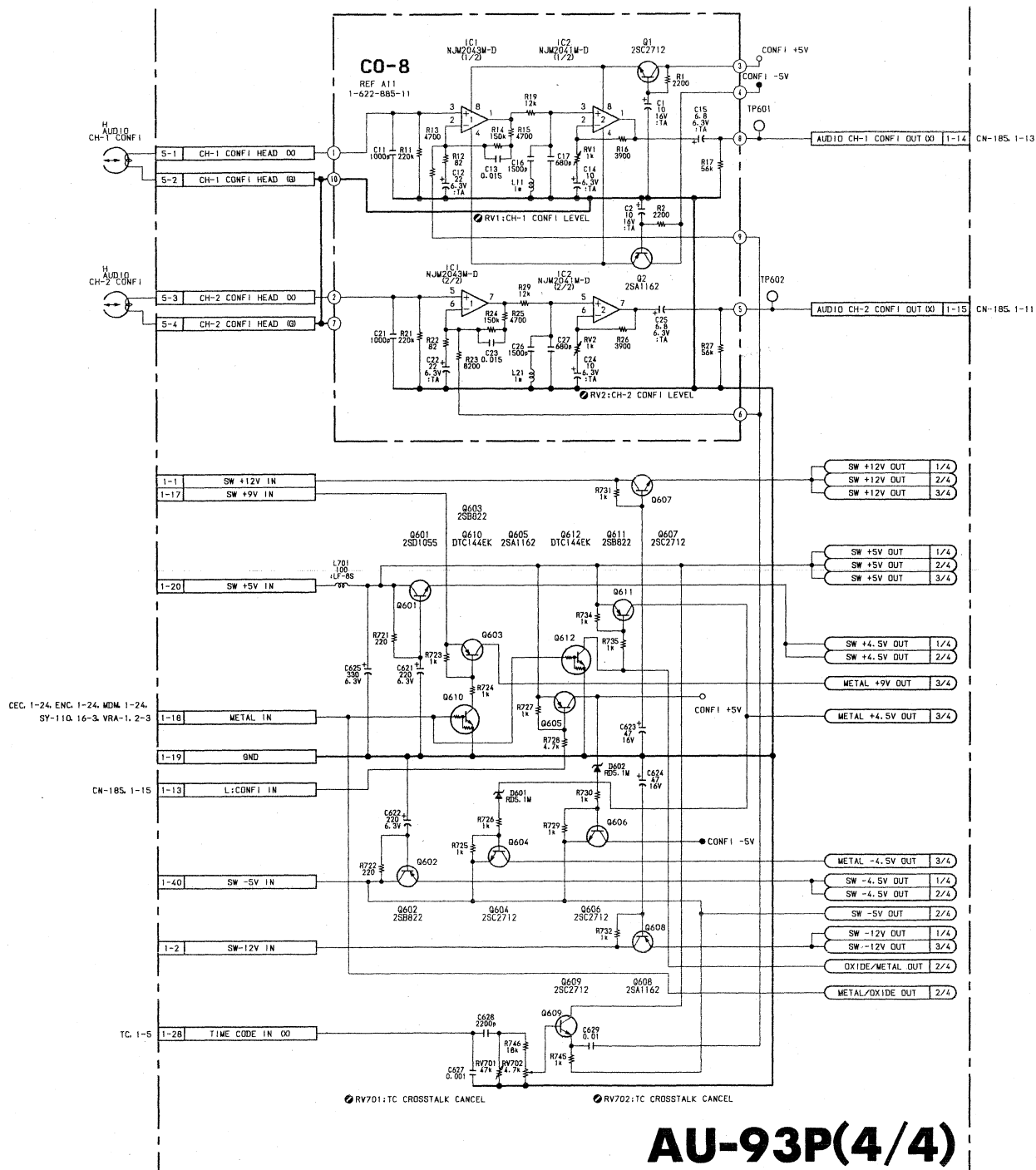


AU-93P(3/4)

1-622-881-14(1)
BVW-35P

AU-93P(4/4); AUDIO REC/PB AMPLIFIER

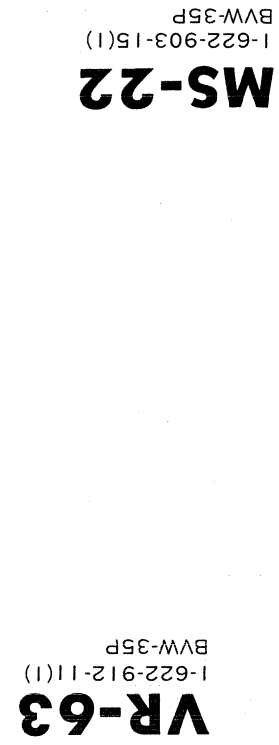
CO-8; CONF1 PB



AU-93P(4/4)

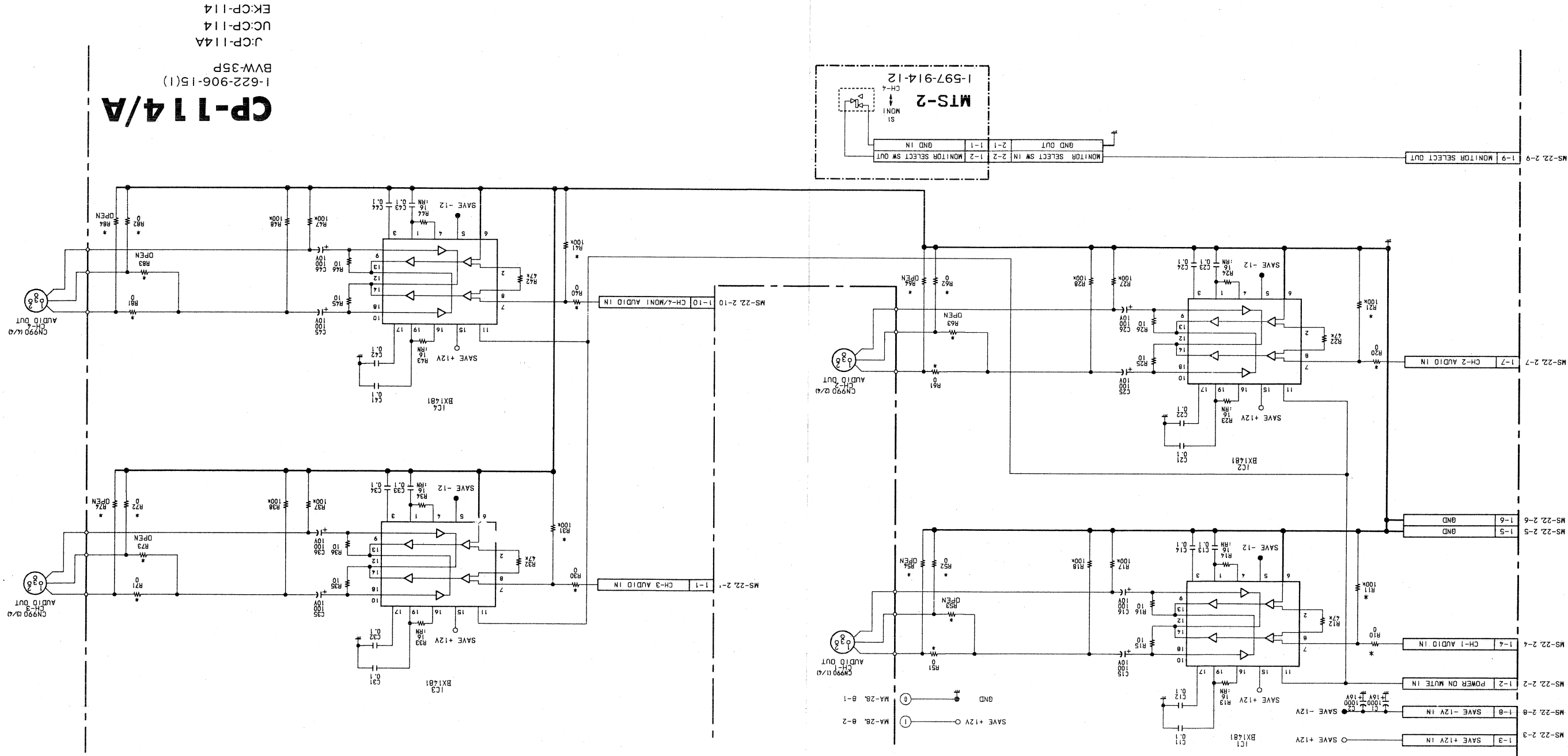
1-622-881-14(1)
BVW-35P

MS-22, VR-63 MS-22, VR-63



CP-114, MTS-2 CP-114, MTS-2

CP-114; XLR OUT AMPLIFIER
MTS-2; CH-4 MONITOR SWITCH



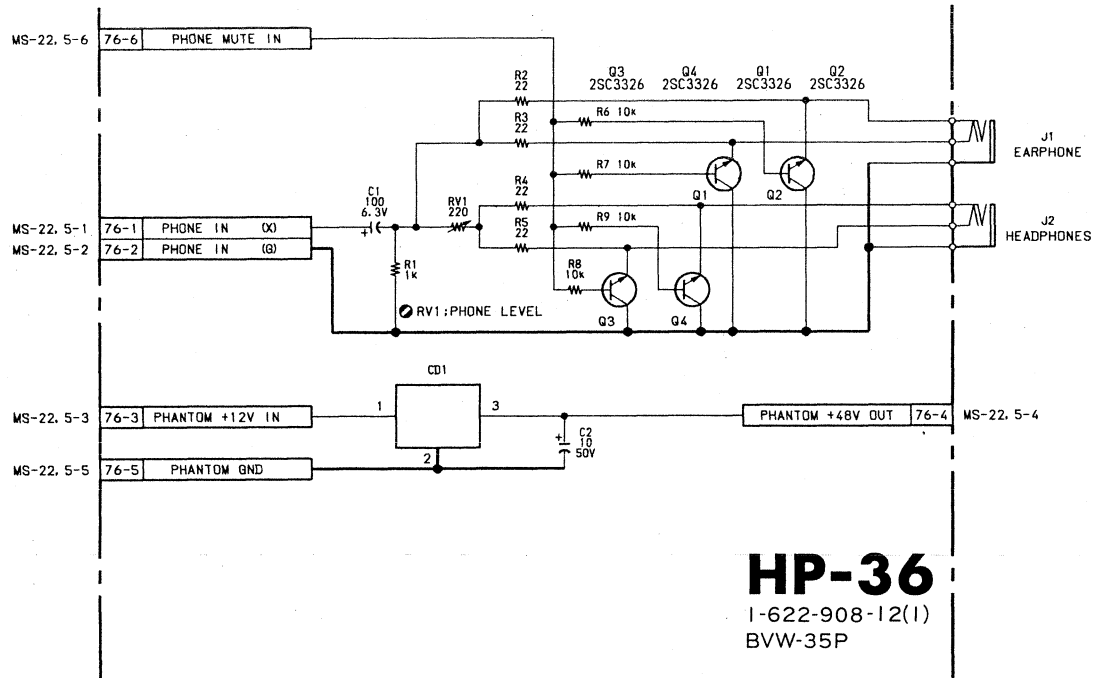
CP-114/A

I-622-906-15(1)
BWV-35P
J:CP-114A
UC:CP-114
EK:CP-114

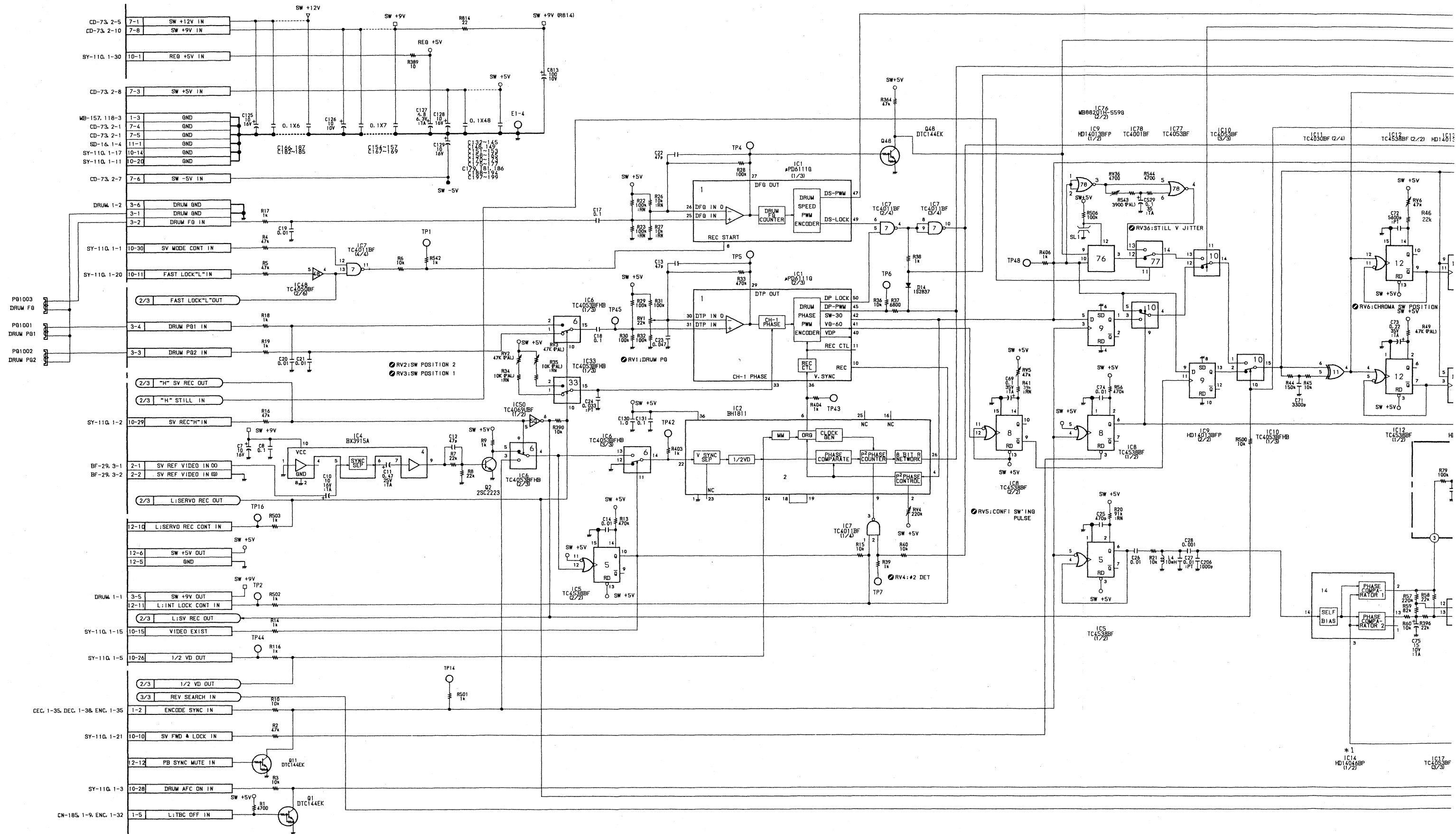
14-180

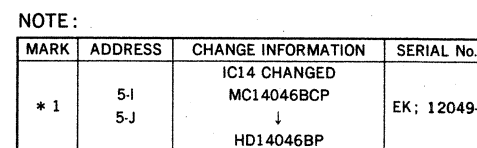
14-179

HP-36; HEADPHONES/EARPHONE

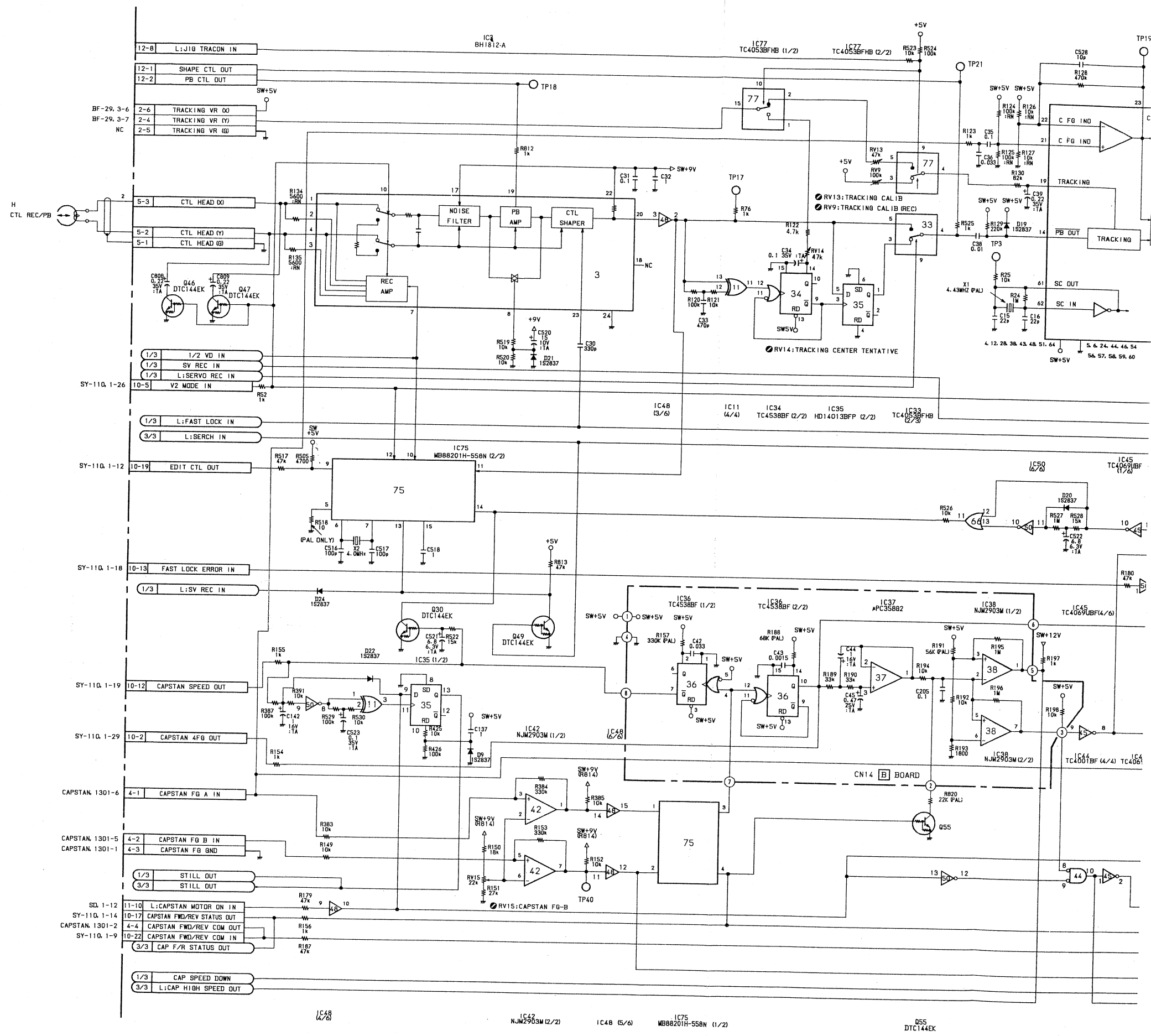


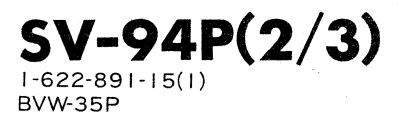
SV-94P(1/3); SERVO SYSTEM





SV-94P(1 / 3)
I-622-89 I-15(2)
BVW-35P

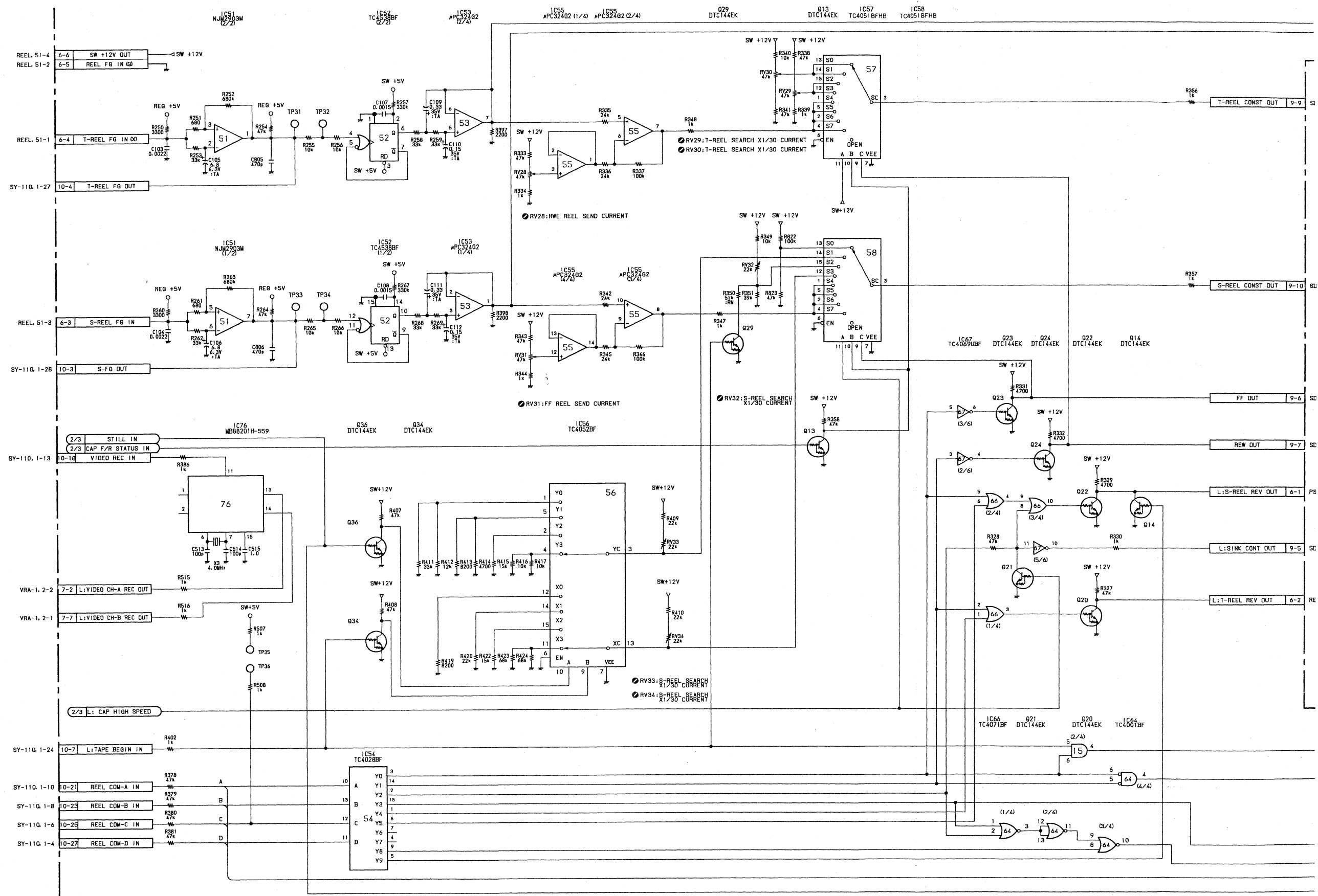


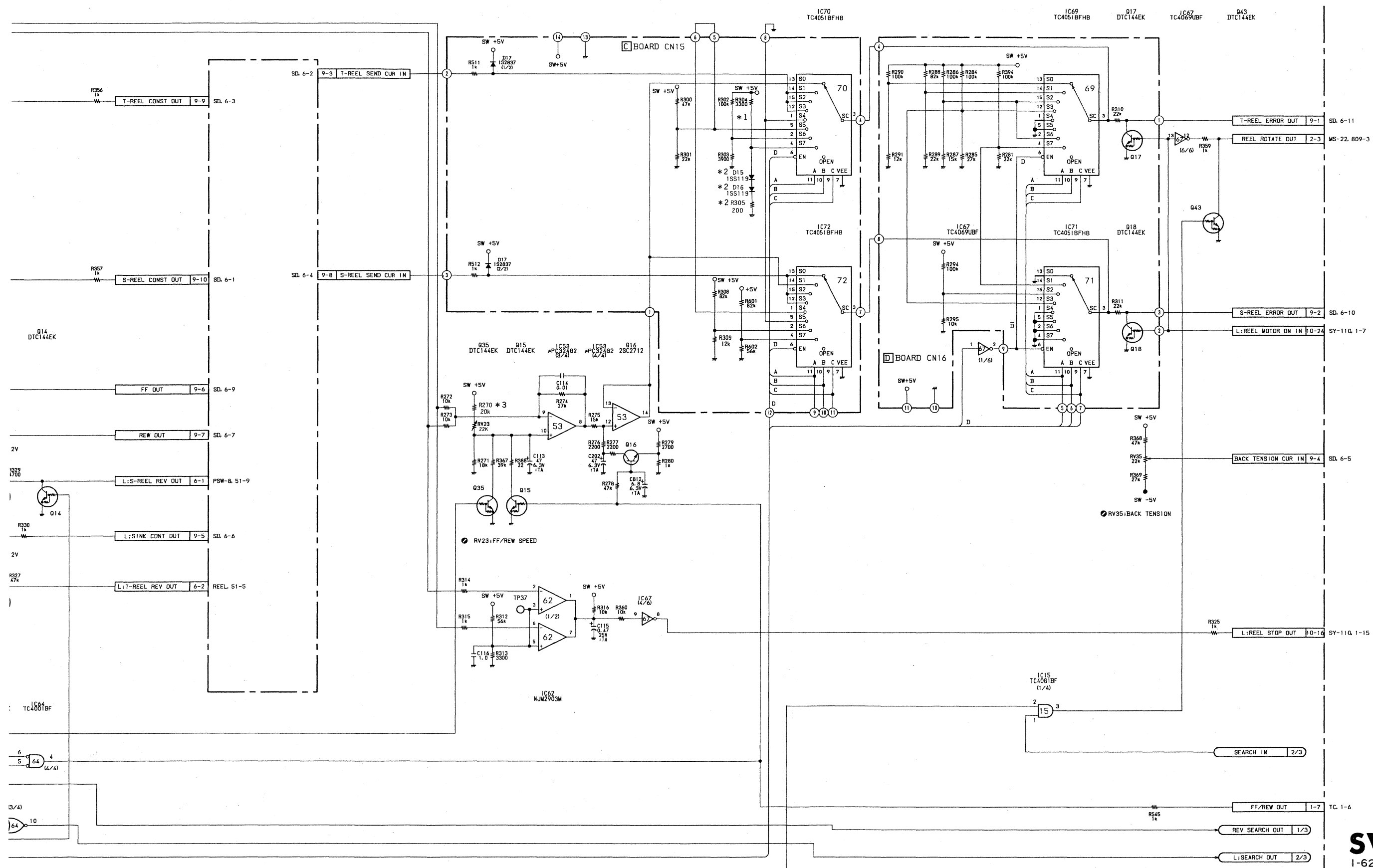


-94P(3/3); SERVO SYSTEM

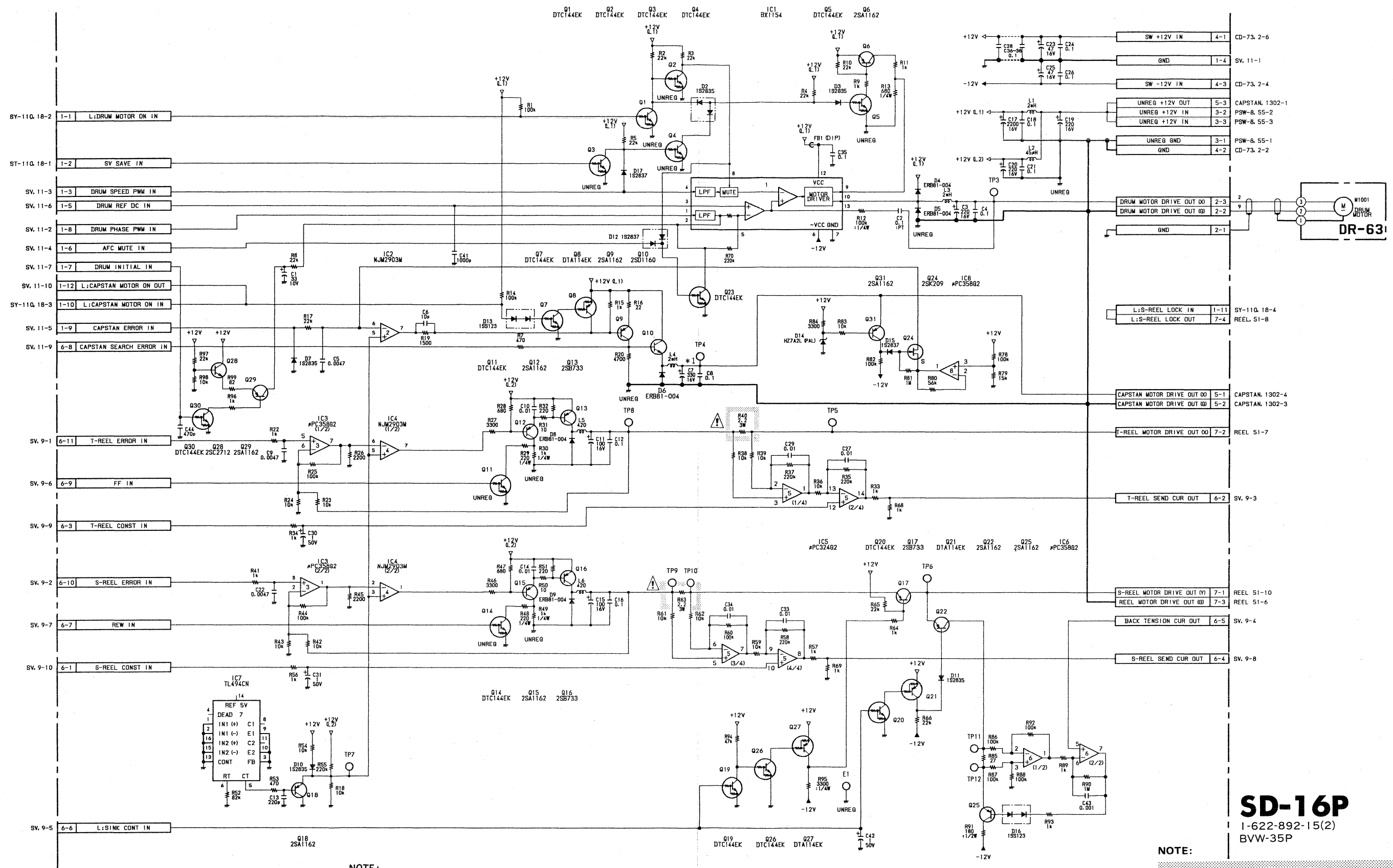
NOTE:

MARK	ADDRESS	CHANGE INFORMATION	SERIAL No.
* 1	1-L	R304 CHANGED 82k → 3300	EK; 11969-
* 2	2-L	ADDED D15, D16 R305 CHANGED 27k → 200	
* 3	3-J	R270 33k → 20k	EK; 12283-



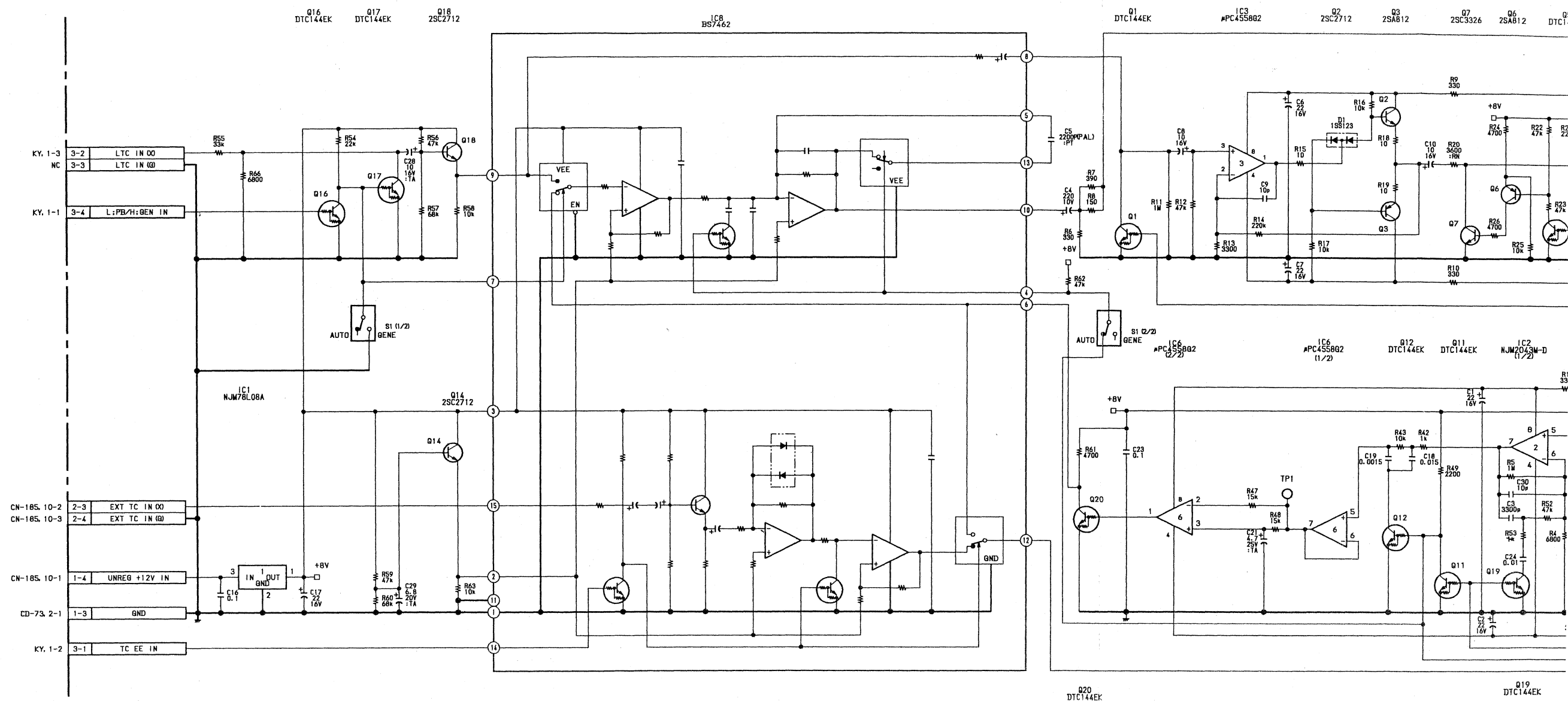


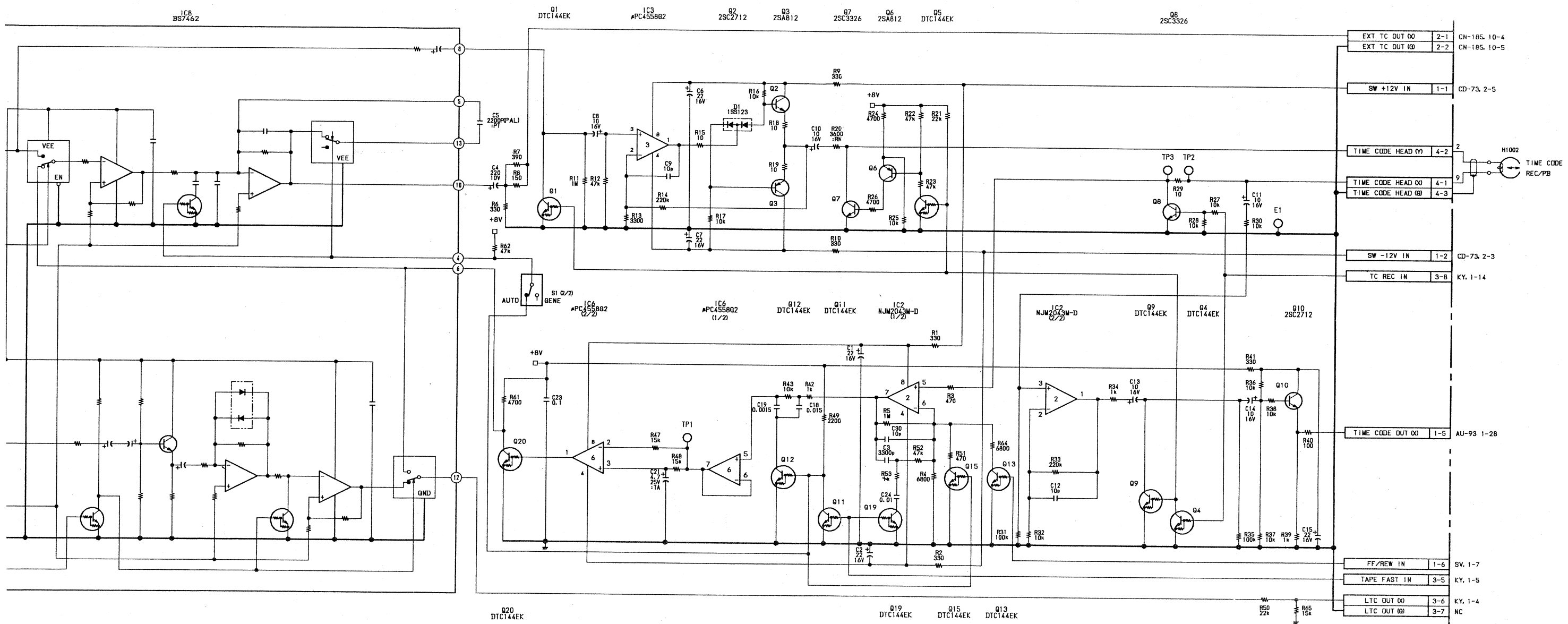
SV-94P(3/3)
1-622-891-15(2)
BVW-35P

SD-16P; SERVO DRIVER
DR-63; DRUM MOTOR**SD-16P**I-622-892-15(2)
BVW-35P**NOTE:**

The shaded and -marked components are critical to safety.
Replace only with same components as specified.

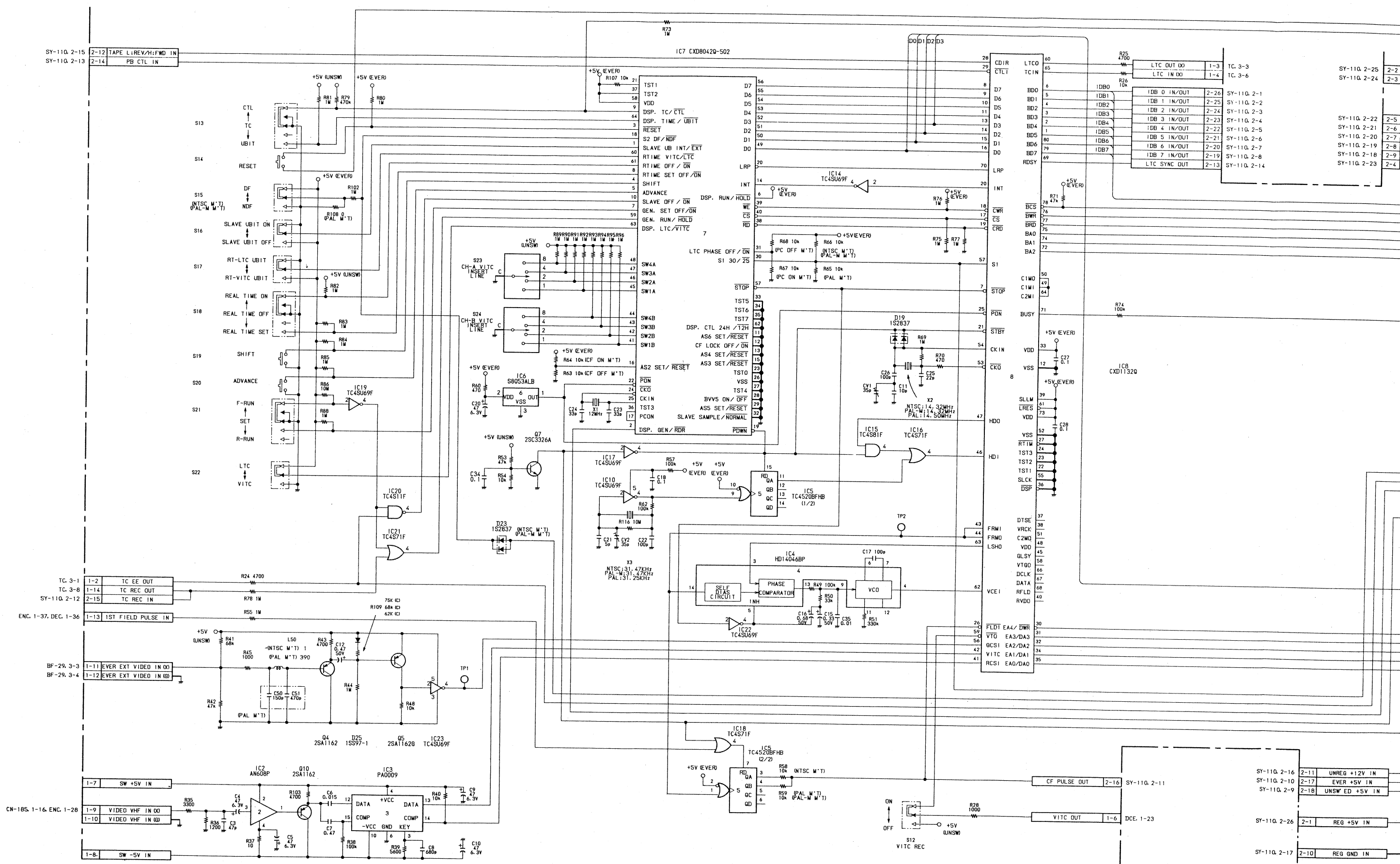
TC-45P; TIME CODE REC/PB AMPLIFIER





TC-45P
I-622-895-15(1)
BVW-35P

KY-110P; FUNCTION KEY
TIME CODE



14-221

14-222

A

B

C

D

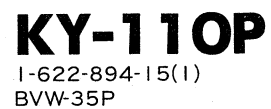
E

F

G

H

I



	VCC	GND
IC4	16 EVER+5V	8
IC5	16 EVER+5V	8
IC10	—	3
IC12	5 EVER+5V	3
IC13	5 EVER+5V	3
IC14	5 EVER+5V	3
IC15	5 EVER+5V	3
IC16	5 EVER+5V	3
IC17	5 EVER+5V	3
IC18	5 EVER+5V	3
IC19	5 EVER+5V	3
IC20	5 EVER+5V	3
IC21	5 EVER+5V	3
IC22	5 EVER+5V	3
IC23	5 UNSW+5V	3

SY-110; SYSTEM CONTROL

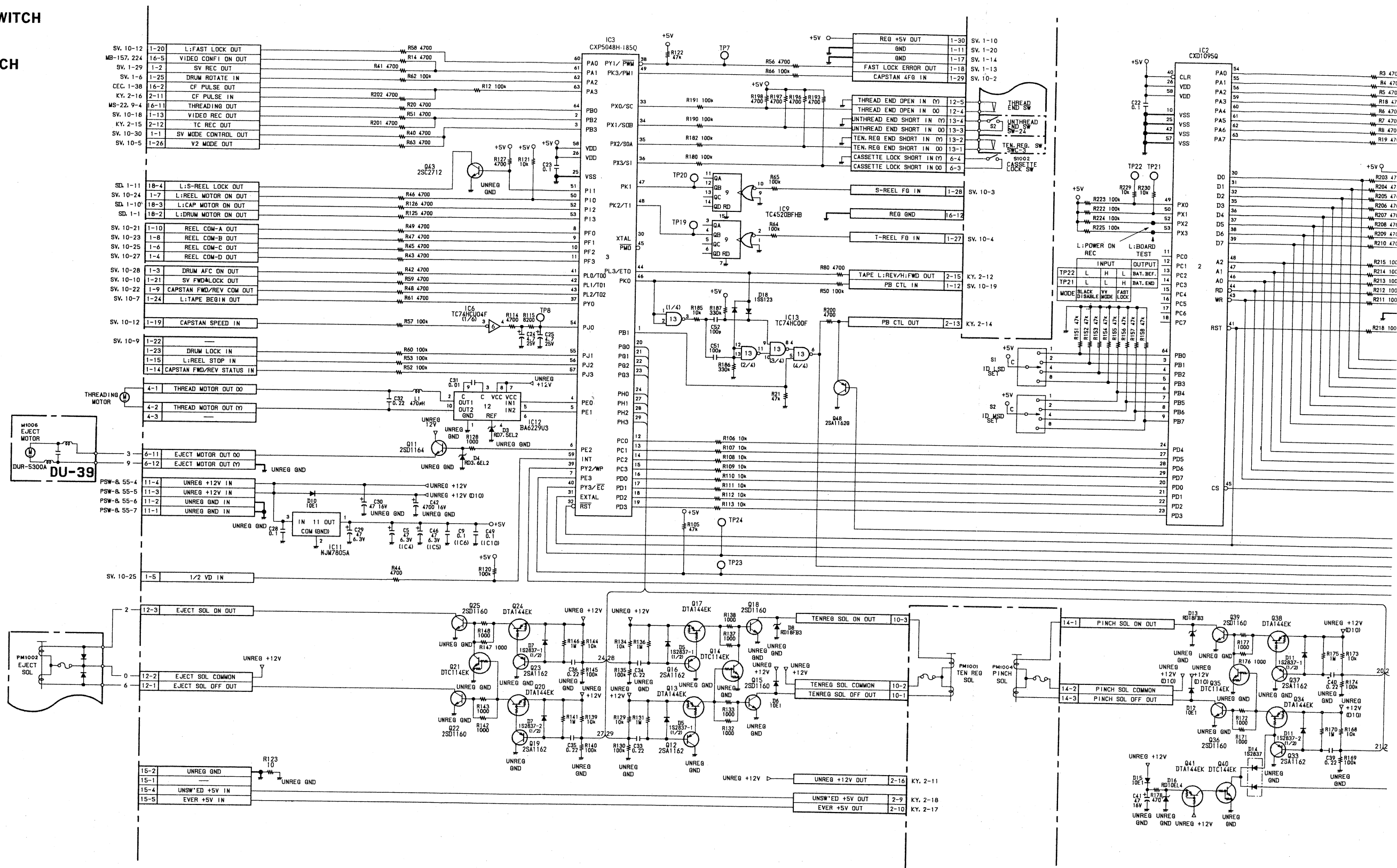
CS-22; SP CASSETTE-IN SWITCH

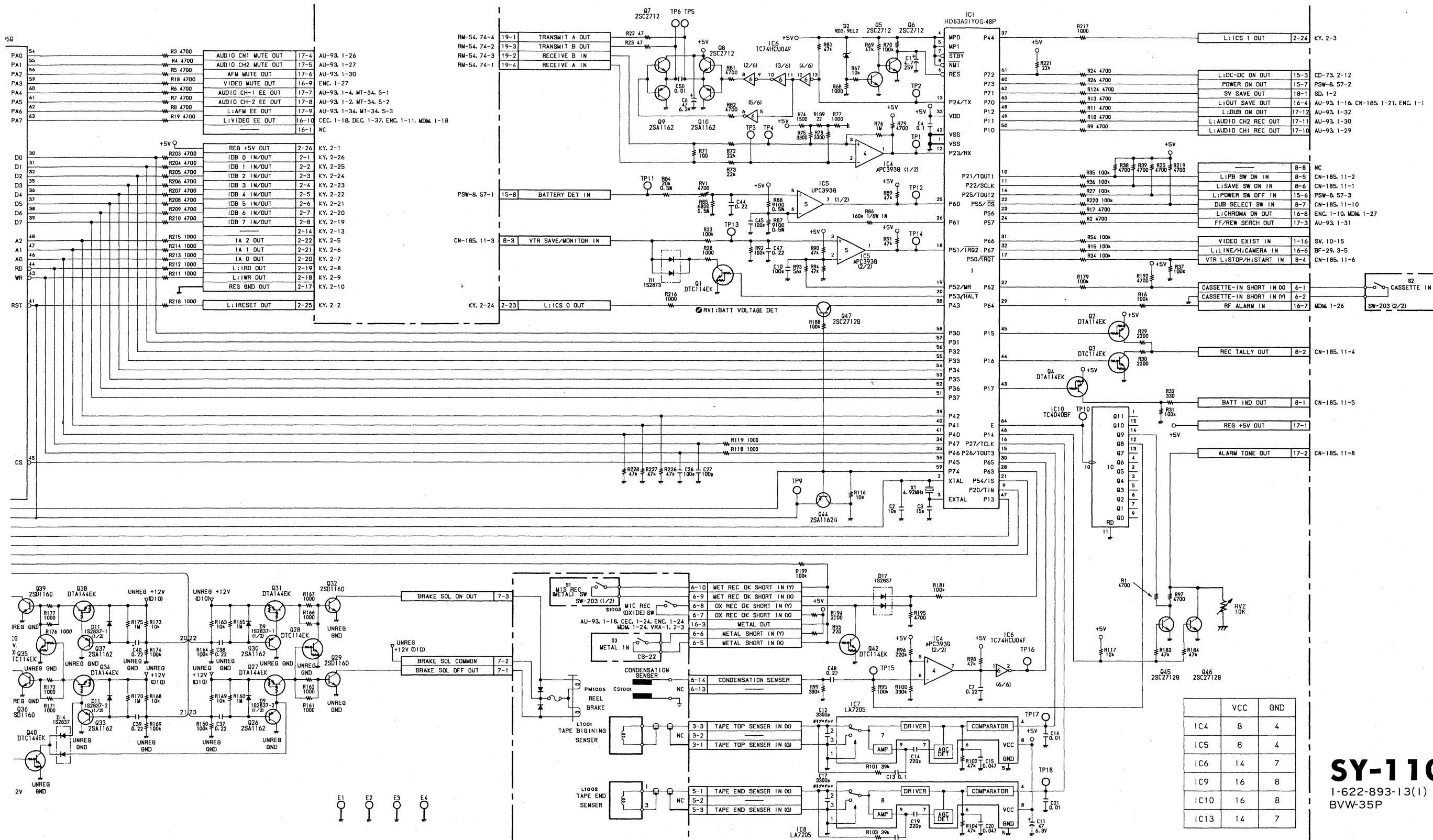
DU-39; EJECT MOTOR

SW-203; MISS REC/CASSETTE-IN SWITCH

SW-24; UNTHREADING-END SWITCH

SWC-3; TENSION REGULATOR SWITCH





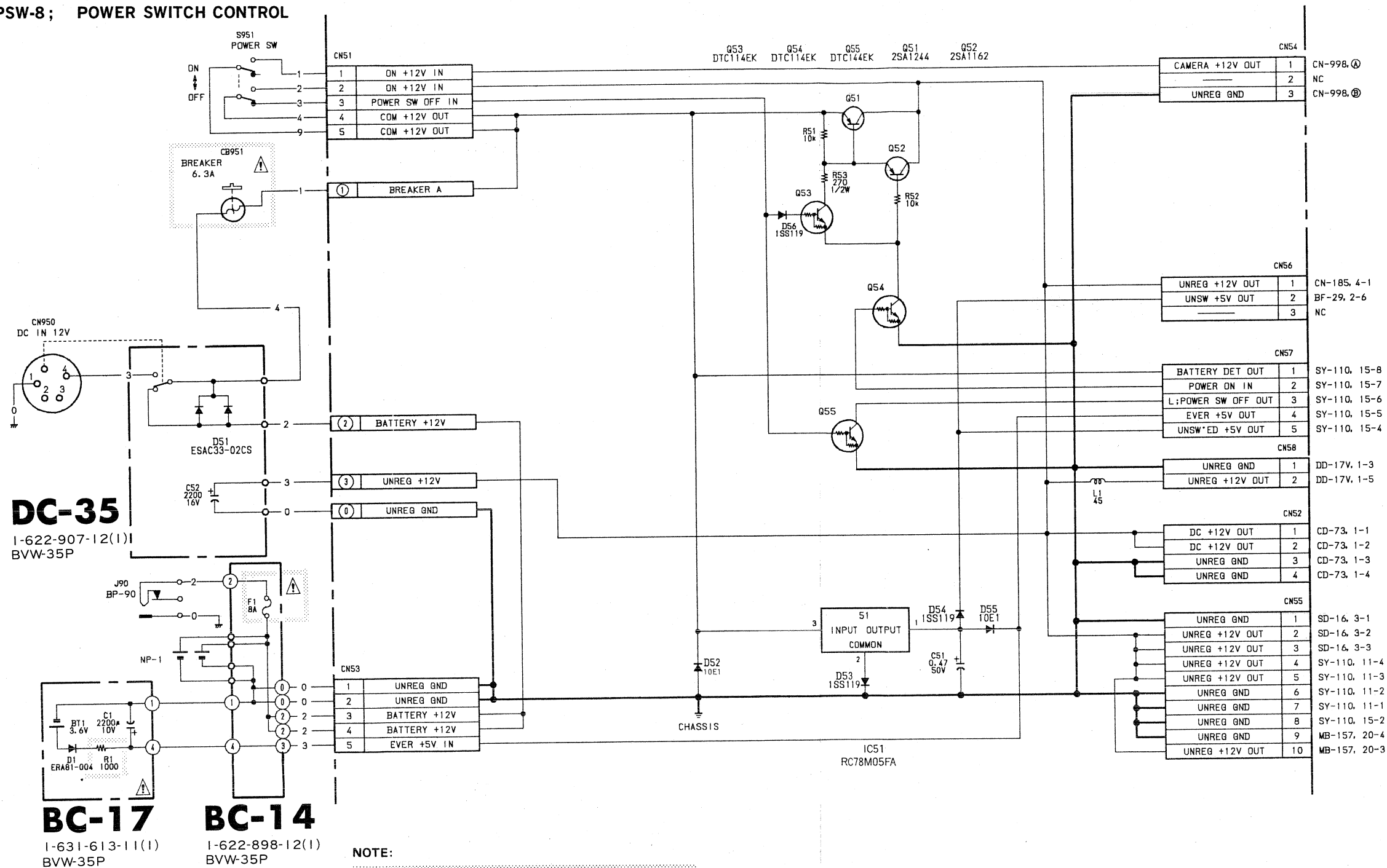
BC-14; BATTERY

BC-17; BATTERY

DC-35; DC IN

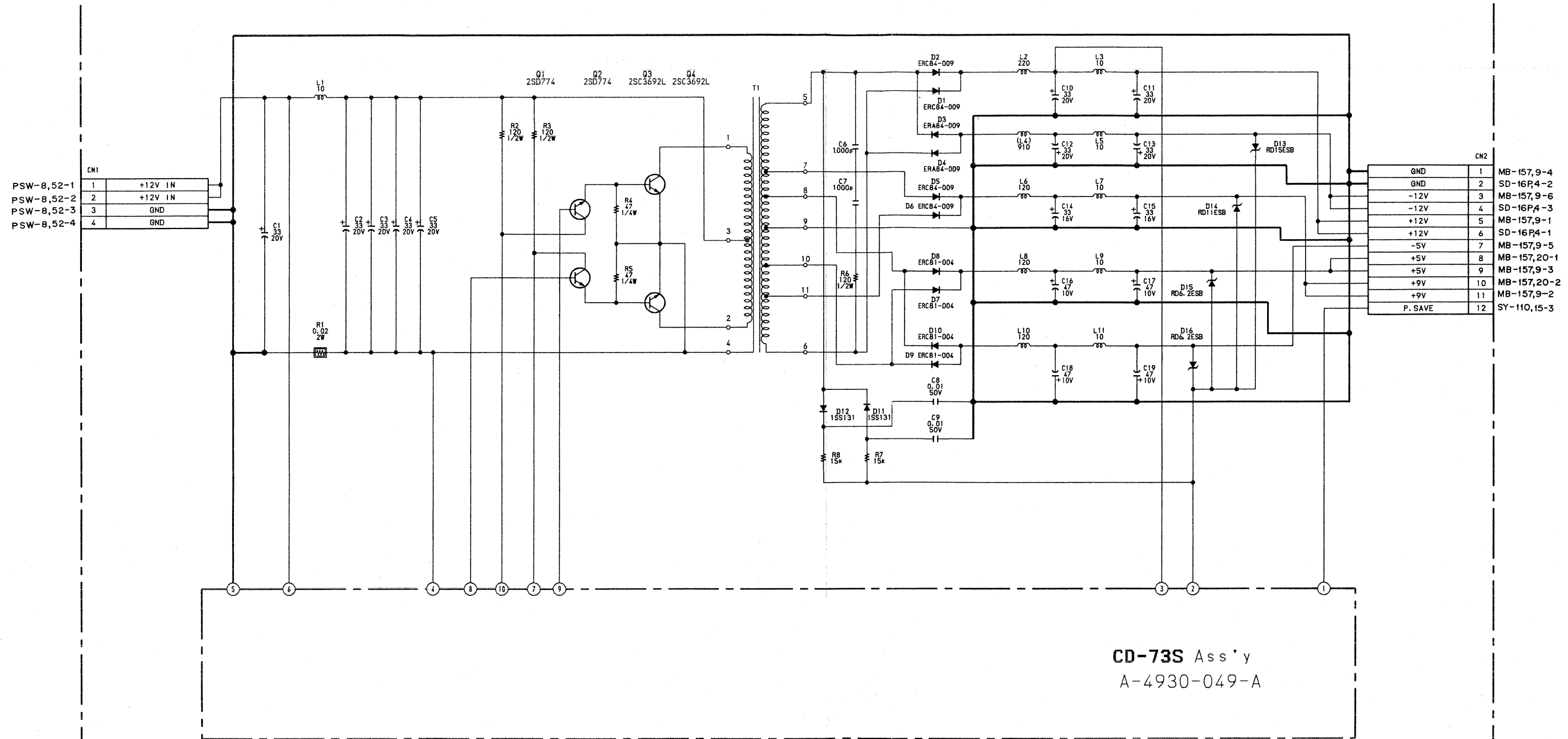
DIODE

PSW-8; POWER SWITCH CONTROL



DC-DC CONVERTER

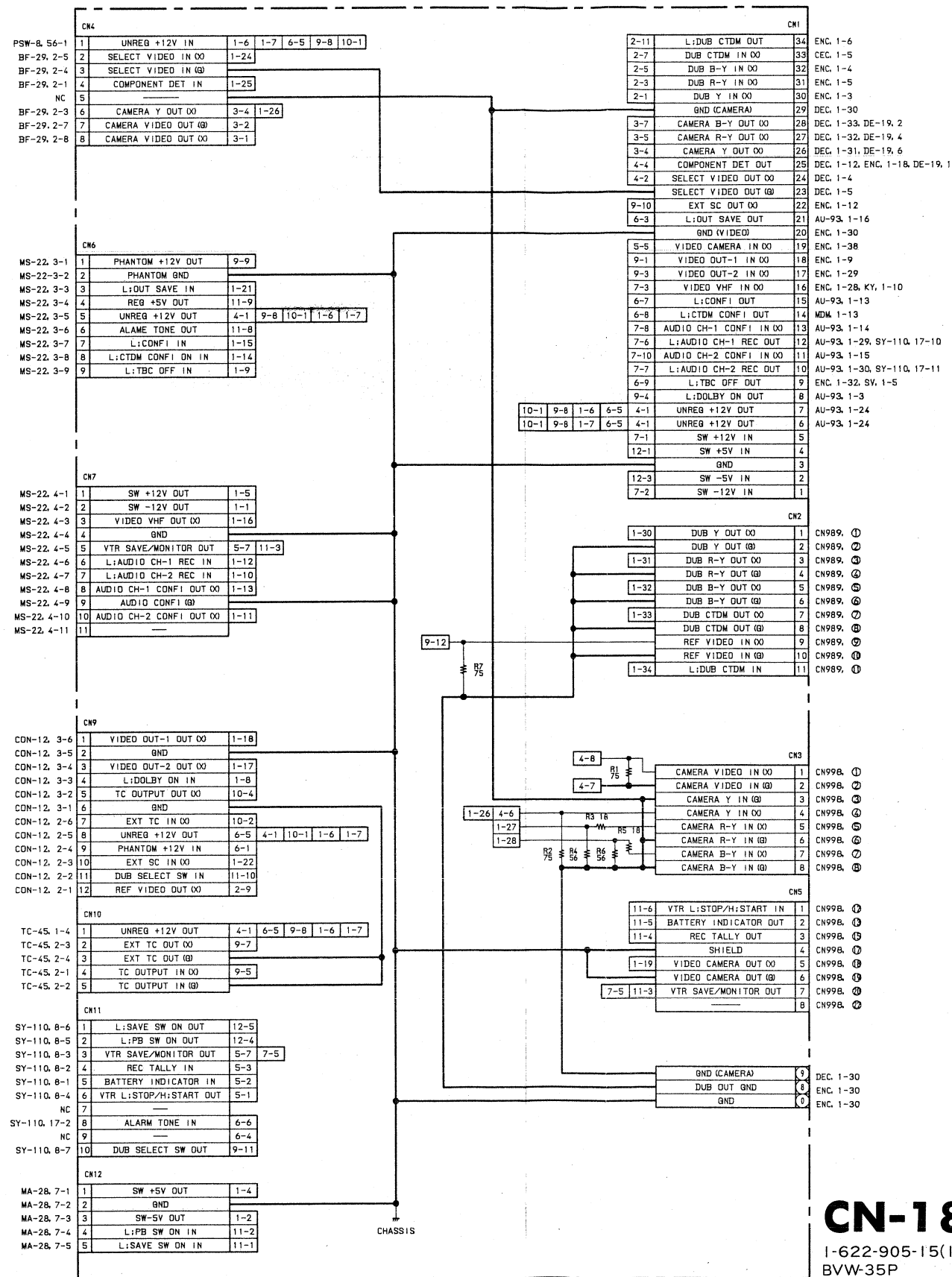
DC-DC CONV. DC-DC CONV.



DC-DC CONVERTER

BVW-35P

CN-185; CP CONNECTION BOARD

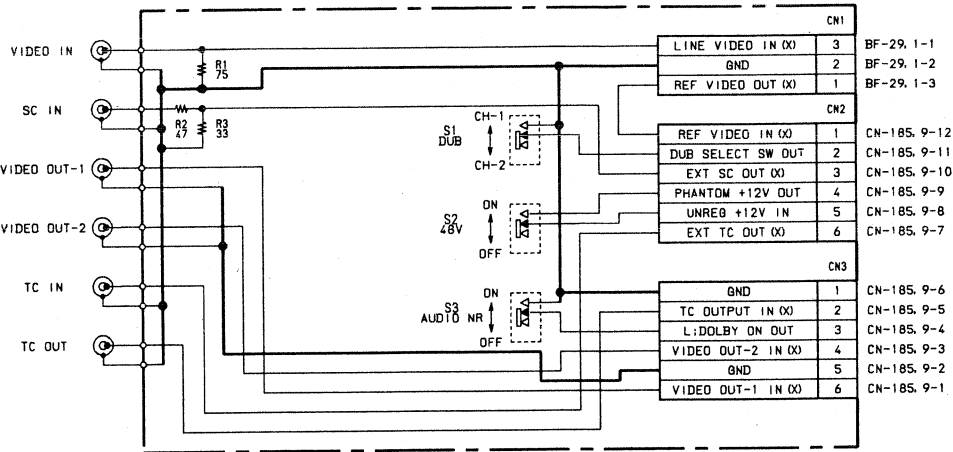


CN-185

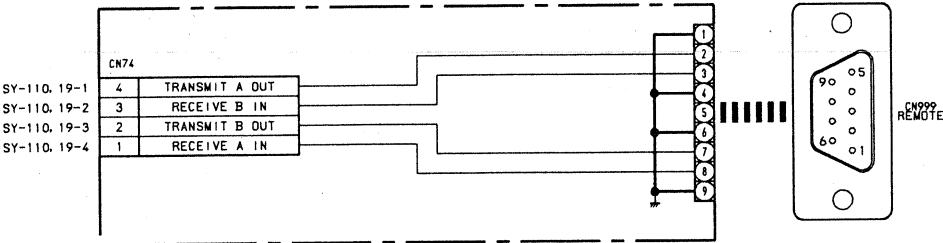
1-622-905-15(1)
BVW-35P

CON-12, RM-54, RMD-1

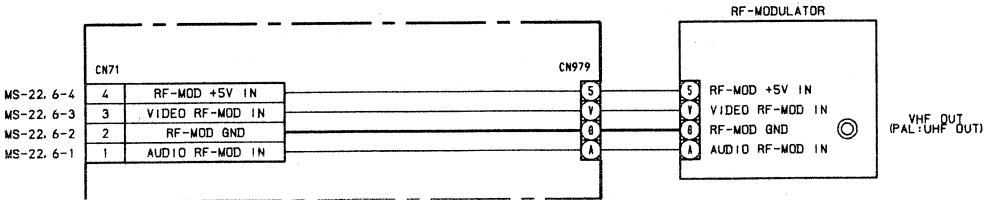
CON-12; BNC CONNECTOR
RM-54; 9P REMOTE CONTROL
RMD-1; RF MODULATOR



CON-12
I-622-913-13(1)
BVW-35P

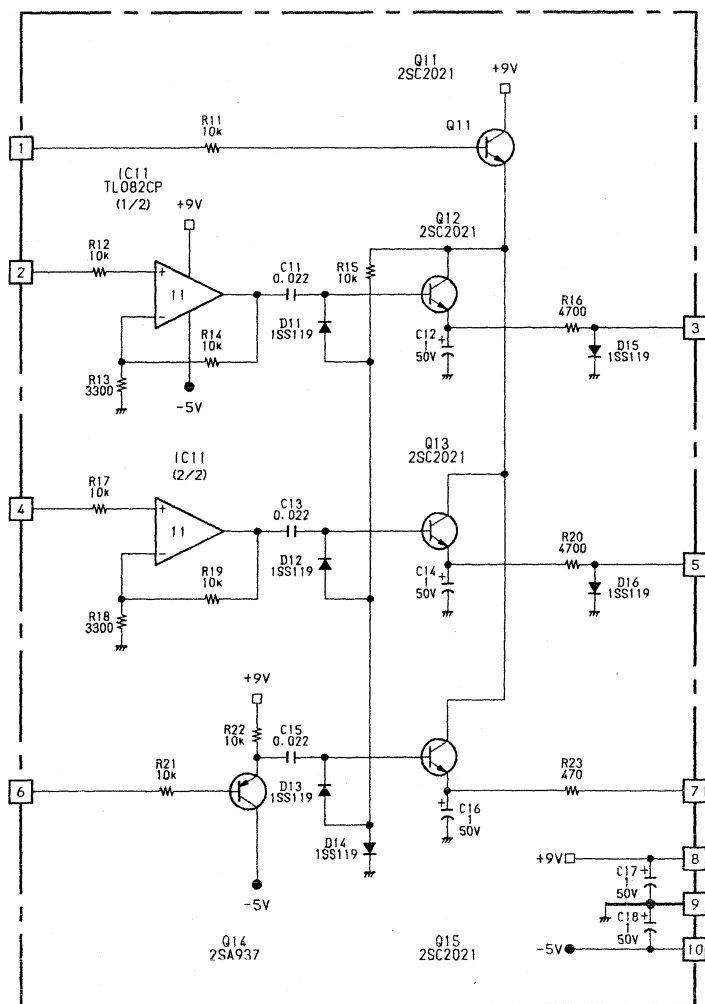


RM-54
I-622-910-11(1)
BVW-35P

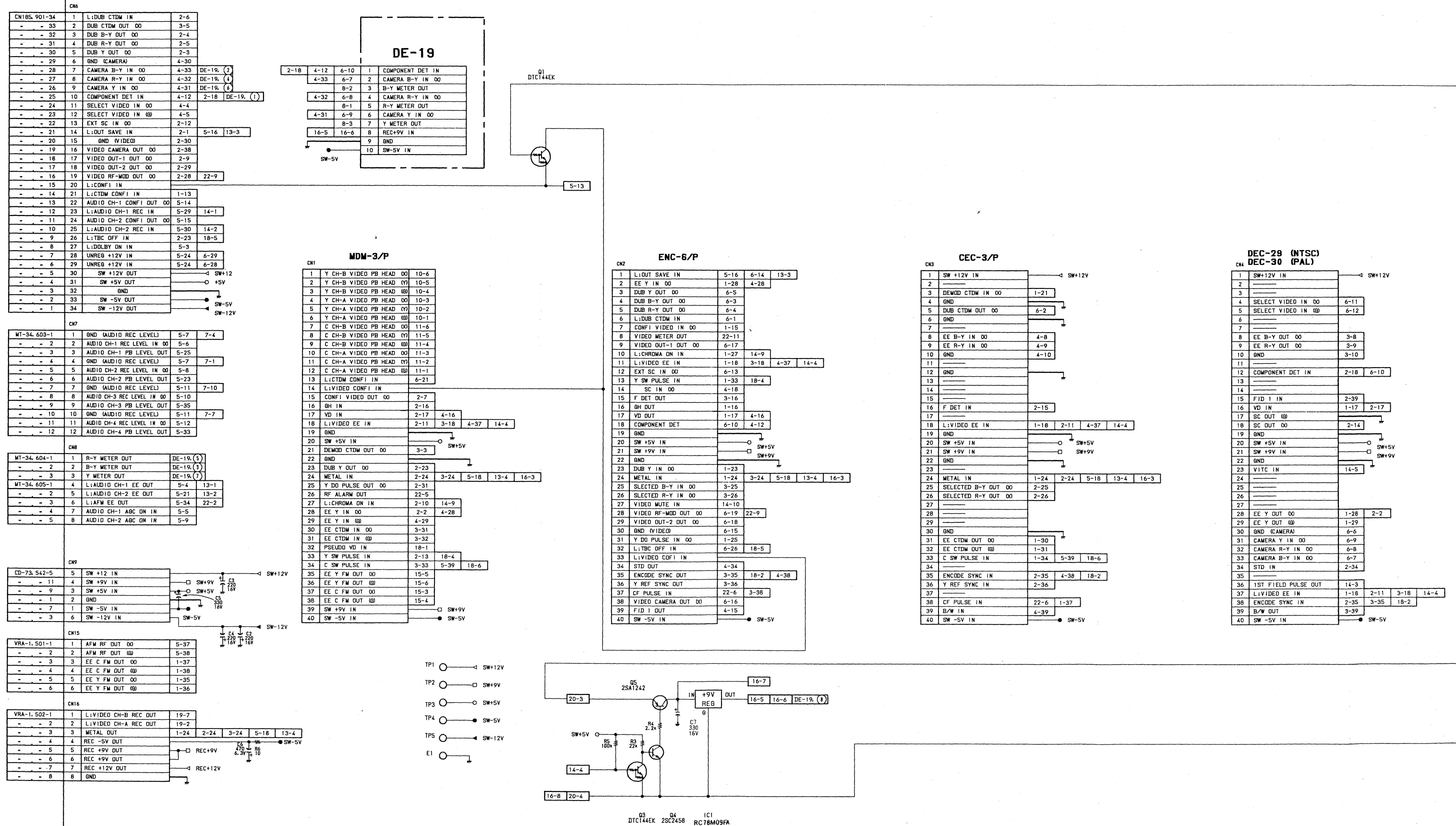


RMD-1
I-622-911-13(1)
BVW-35P

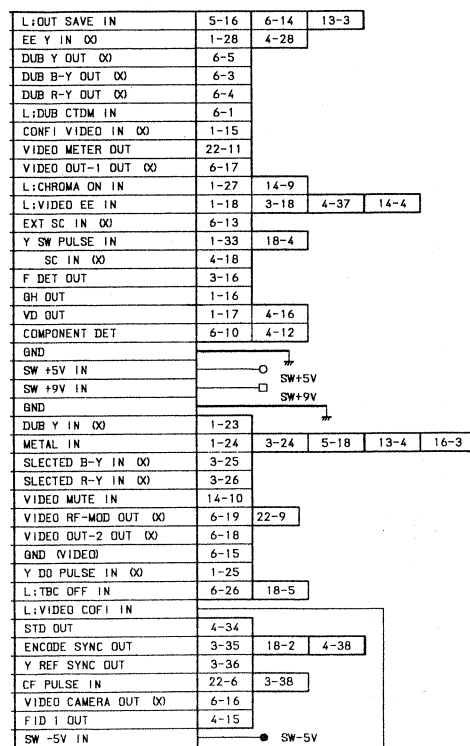
DE-19; LEVEL DETECTOR

**DE-19**I-622-871-12(1)
BVW-35P

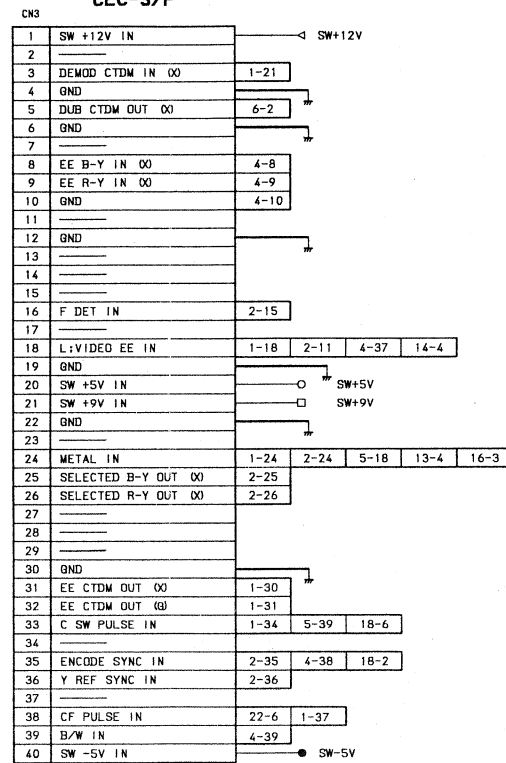
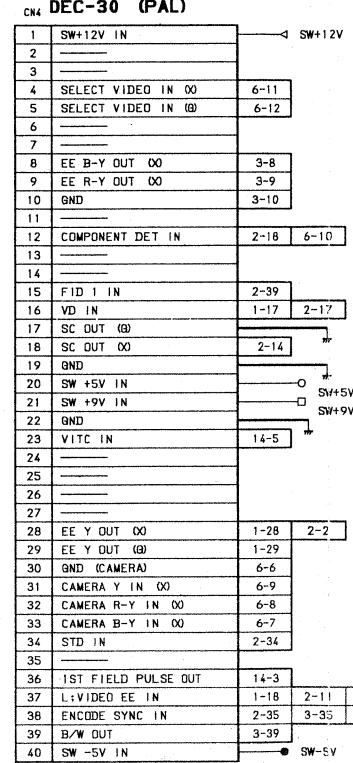
MB-157; MOTHER BOARD



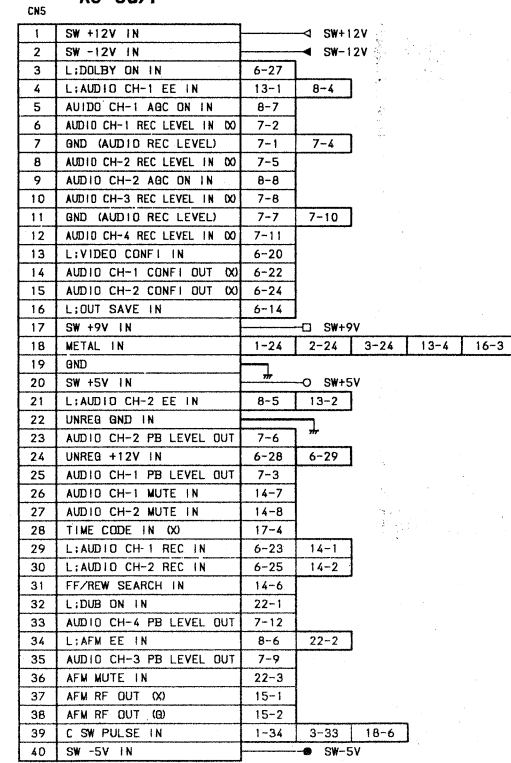
ENC-6/P



CEC-3/P

DEC-29 (NTSC)
DEC-30 (PAL)

AU-93/P



CN12			
4-30	GND (CAMERA)	1	CN-185. (9)
2-30	DUB OUT GND	2	CN-185. (8)
2-30	GND	3	CN-185. (8)





CN14				
	5-29	6-23	L:AUDIO CH-1 REC IN	1 SY-110.517-10
	5-30	6-25	L:AUDIO CH-2 REC IN	2 - - 11
		4-36	1ST FIELD PULSE OUT	3 KY-110.451-13
1-18	2-11	3-18	4-37 L:VIDEO EE IN	4 SY-110.516-10
		4-23	VITC IN	5 KY-110.451-6
		5-31	FF/REW SEARCH IN	6 SY-110.517-3
		5-26	AUDIO CH-1 MUTE IN	7 - - 4
		5-27	AUDIO CH-2 MUTE IN	8 - - 5
	1-27	2-10	L:CHROMA ON IN	9 SY-110.516-8
		2-27	VIDEO MUTE IN	10 - - 9

CN13			
5-4	8-4	L:AUDIO CH-1 EE IN	1 SY-110.517-7
5-21	8-5	L:AUDIO CH-2 EE IN	2 - - 8
5-16	6-14	L:OUT SAVE IN	3 SY-110.516-4
		METAL IN	4 - - 3

CN22			
5-32		L:DUB ON IN	1 SY-110.517-12
5-34	8-6	L:AFM EE IN	2 - - 9
5-36		AFM MUTE IN	3 - - 6
		VIDEO CONF1 ON IN	4 - - 516-5
1-26		RF ALARM OUT	5 - - 7
2-37	3-38	CF PULSE IN	6 - - 2
		SW +5V OUT	7 KY-110.451-7
		SW -5V OUT	8 - - 8
6-19	2-28	VIDEO RF-MOD OUT 00	9 - - 9
		VIDEO RF-MOD OUT 00	10 - - 10
	2-8	VIDEO METER OUT	11 MT-34.604-4

CN10			
1-6		Y CH-A VIDEO PB HEAD 00	1 DRUM ASSY
1-5		Y CH-A VIDEO PB HEAD 00	2 - -
1-4		Y CH-A VIDEO PB HEAD 00	3 - -
1-3		Y CH-B VIDEO PB HEAD 00	4 - -
1-2		Y CH-B VIDEO PB HEAD 00	5 - -
1-1		Y CH-B VIDEO PB HEAD 00	6 - -

CN11			
1-12		C CH-A VIDEO PB HEAD 00	1 DRUM ASSY
1-11		C CH-A VIDEO PB HEAD 00	2 - -
1-10		C CH-A VIDEO PB HEAD 00	3 - -
1-9		C CH-B VIDEO PB HEAD 00	4 - -
1-8		C CH-B VIDEO PB HEAD 00	5 - -
1-7		C CH-B VIDEO PB HEAD 00	6 - -

		CN17		
SW+12V		SW +12V OUT	1	TC-45. 701-1
		GND	2	- - - 3
SW-12V		SW -12V OUT	3	- - - 2
		5-28	TIME CODE IN (0)	4
			TIME CODE IN (0)	5
		18-7	FF/REW OUT	6
				- - - 6

		CN19			
SW+12V	▷	SW +12V OUT	1	SV-94.207-1	
	16-2	L:VIDEO CH-A REC IN	2	- - 2	
	20-1	SW +5V OUT	3	- - 3	
		GND	4	- - 4	
		GND	5	- - 5	
		SW -5V OUT	6	- - 6	
SW-5V	●	16-1	L:VIDEO CH-B REC IN	7	- - 7
		20-2	SW +9V OUT	8	- - 8

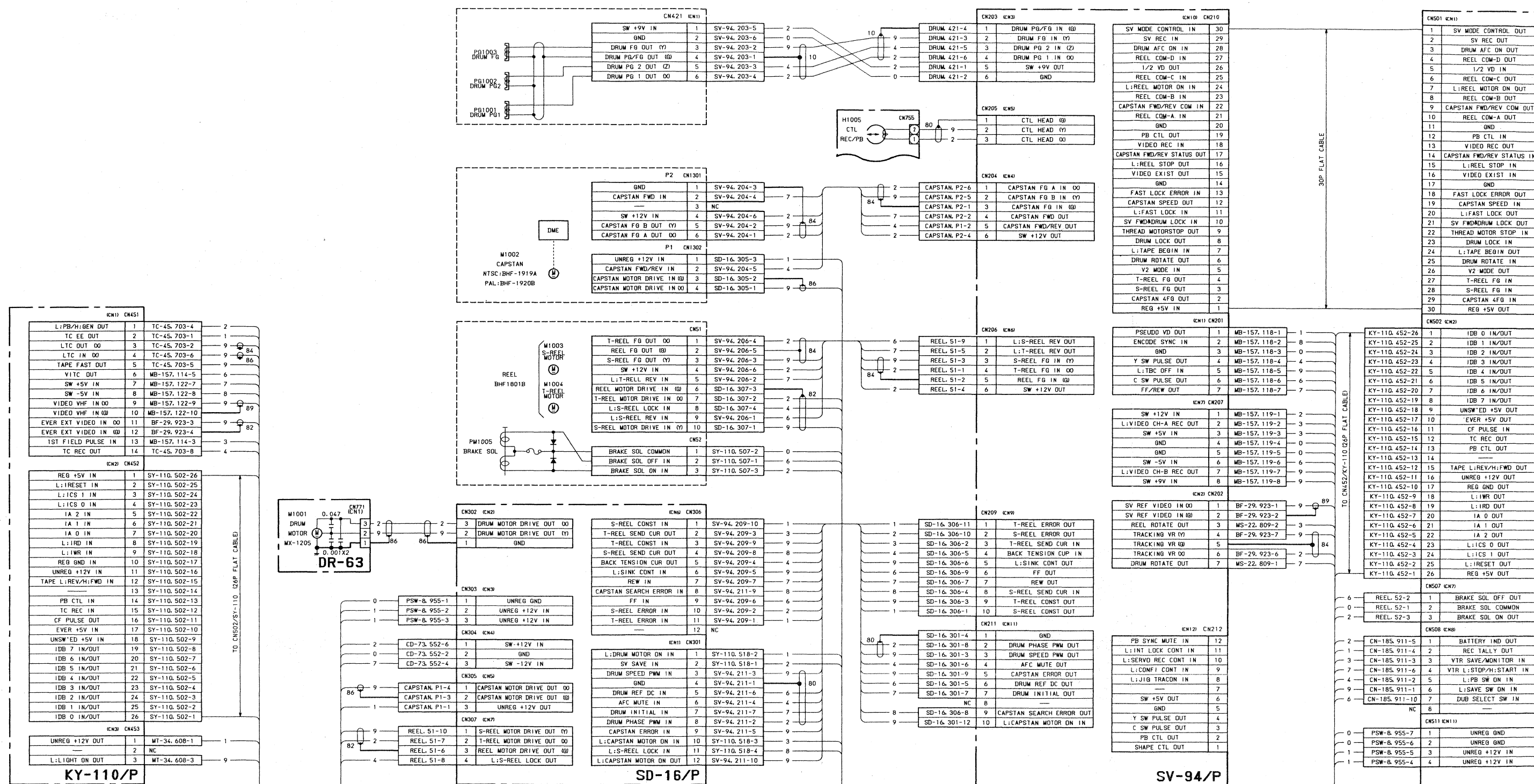
CN18					
		1-32	PSEUDO VD IN	1	SV-94, 201-1
2-35	3-35	4-38	ENCODE SYNC OUT	2	- - 2
			GND	3	- - 3
	1-33	2-13	Y SW PULSE IN	4	- - 4
	2-32	6-26	L:TBC OFF OUT	5	- - 5
5-39	1-34	3-33	C SW PULSE IN	6	- - 6
		17-6	FF/REW IN	7	- - 7

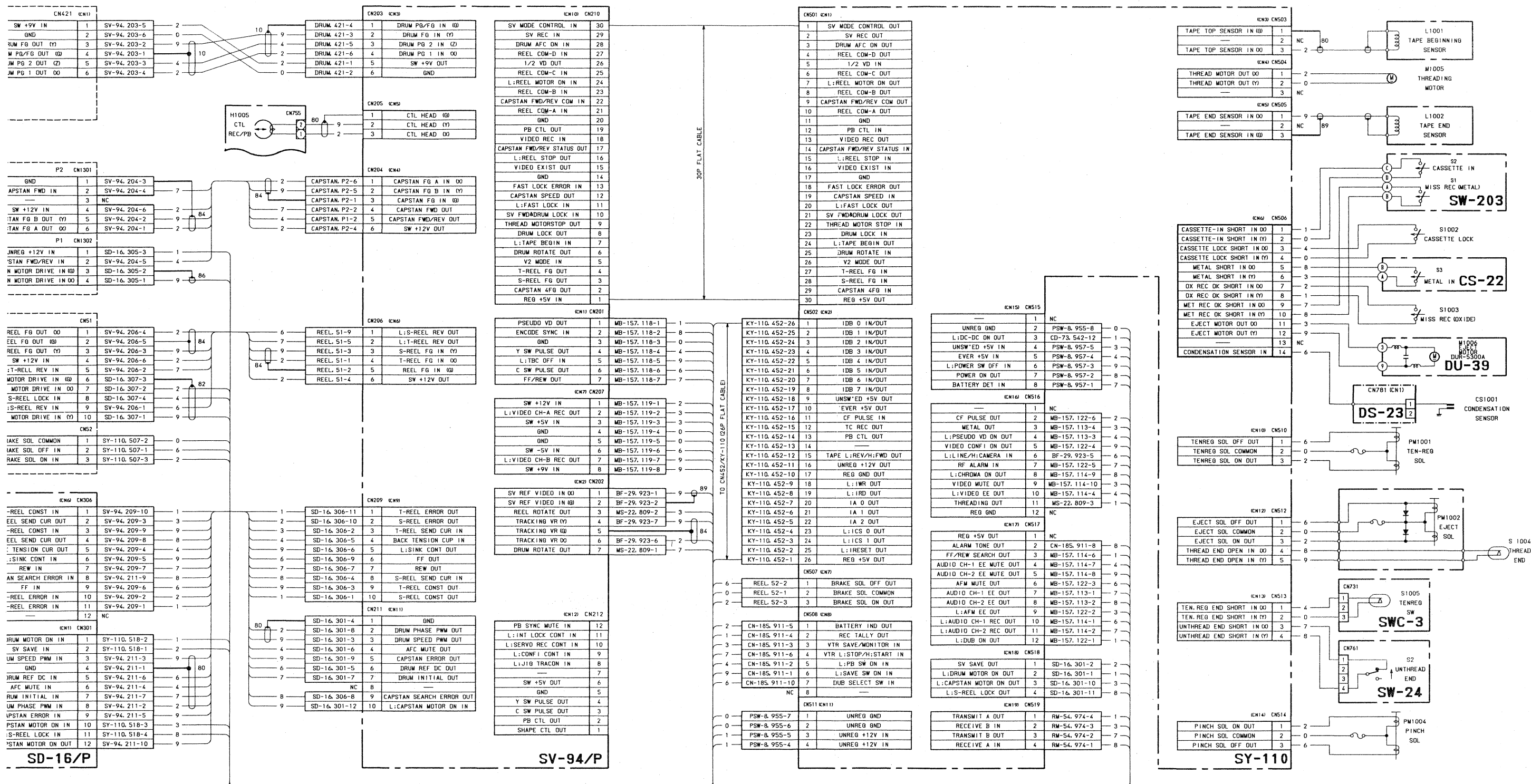
CN20			
19-3		SW +5V IN	1 CD-73.542-8
19-8		SW +9V IN	2 - - 10
		UNREG +12V IN	3 PSW-8.955-10
		UNREG GND	4 - - 9

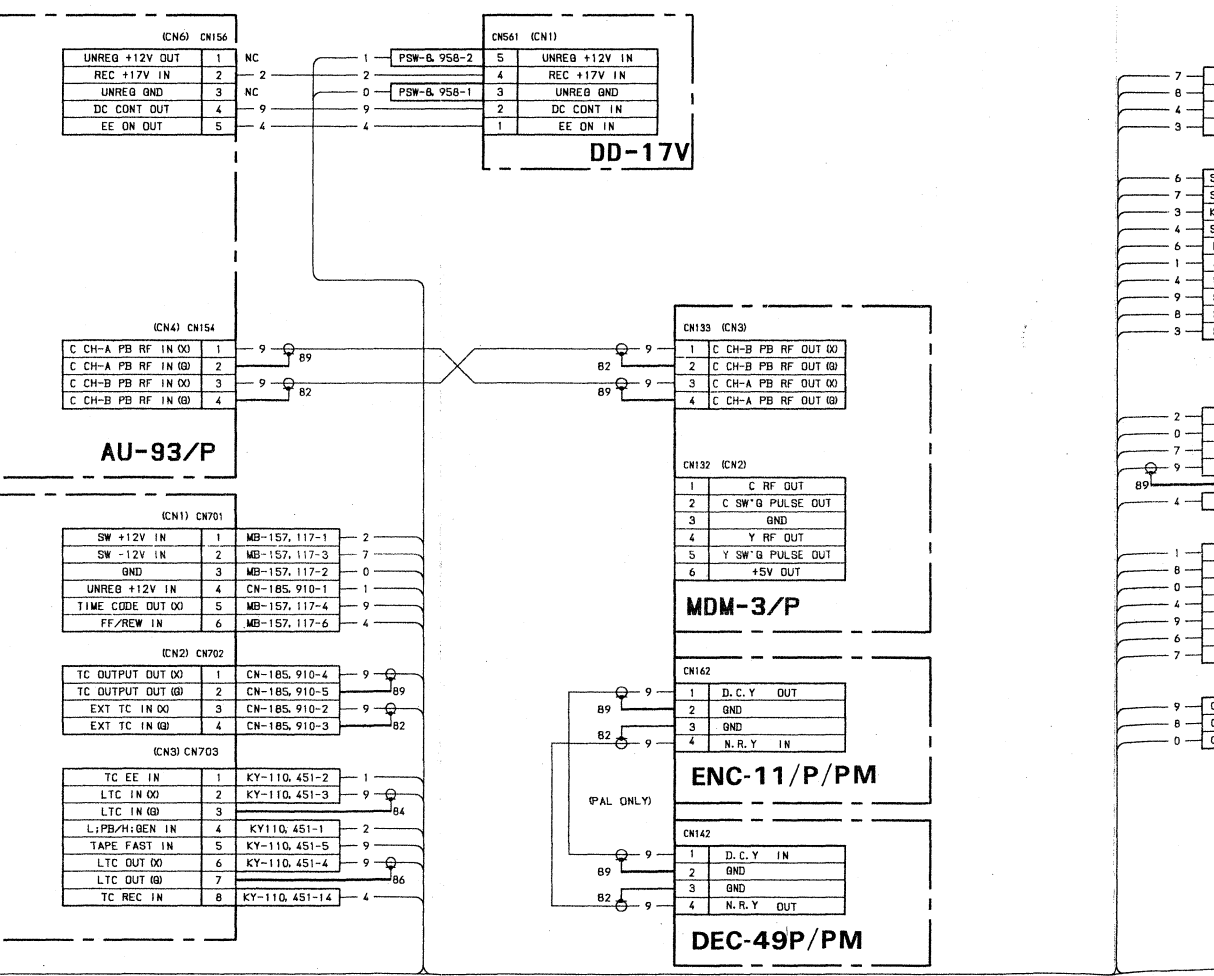
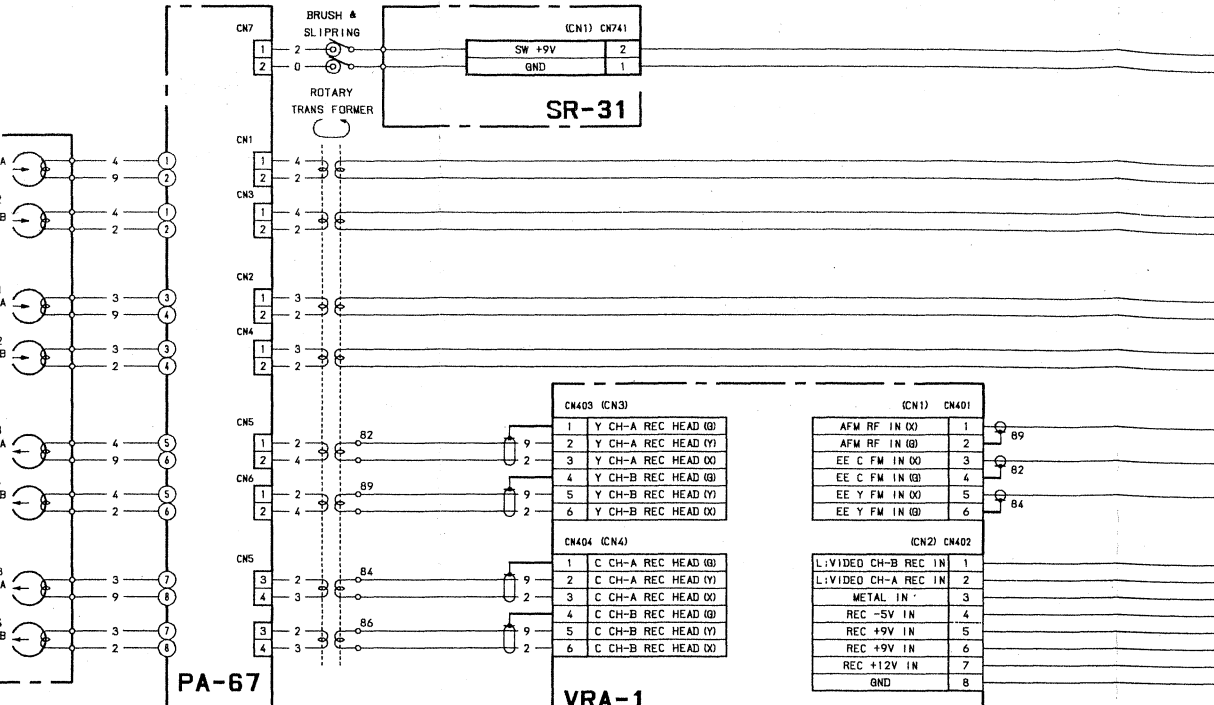
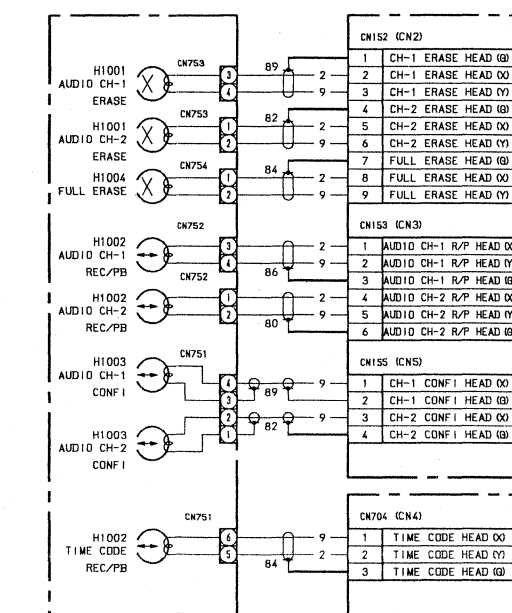
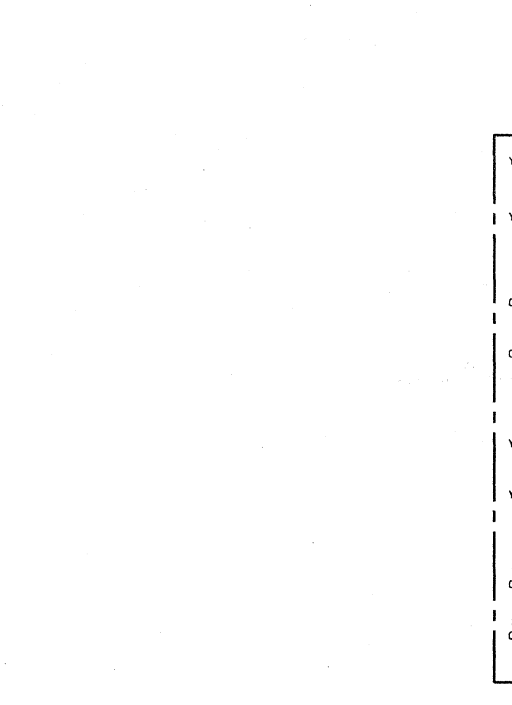
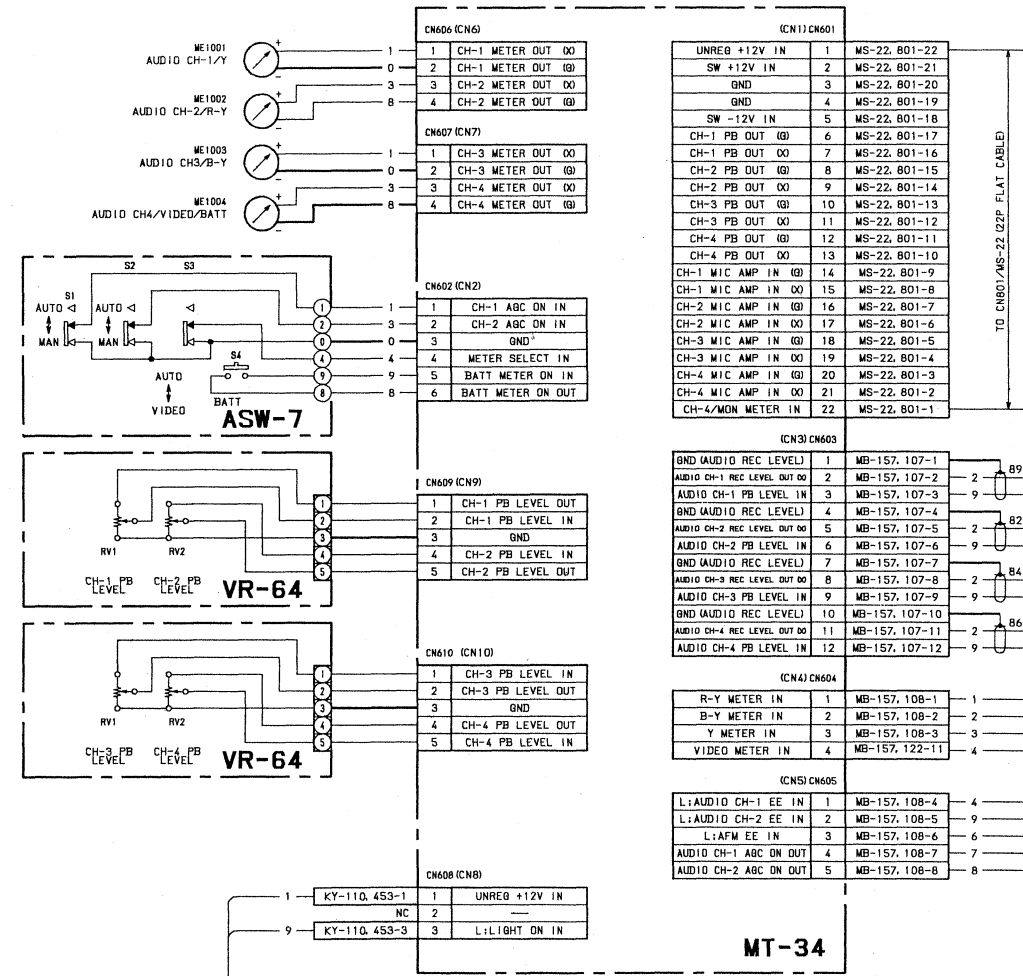
CN21			
SW+9V		SW +9V OUT	1 SR-31.741-3
		GND	2 - - 2
			3 - -

MB-157

1-622-896-13(1)
BVW-35P

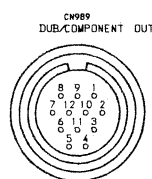






TO FRAME (1/3)

FRAME(3/3)



CN902 (CN1)	
1	DUB Y OUT (O)
2	DUB Y OUT (O)
3	DUB R-Y OUT (O)
4	DUB R-Y OUT (O)
5	DUB B-Y OUT (O)
6	DUB B-Y OUT (O)
7	DUB CTDM OUT (O)
8	DUB CTDM OUT (O)
9	REF VIDEO IN (O)
10	REF VIDEO IN (O)
11	L:DUB CTDM IN
12	NC

CN901 (CN1)	
1	SW -12V IN
2	SW -5V IN
3	GND
4	SW +5V IN
5	SW +12V IN
6	UNREG +12V OUT
7	UNREG +12V OUT
8	L:DOLBY ON OUT
9	L:TBC OFF OUT
10	L:AUDIO CH-2 REC OUT
11	L:AUDIO CH-2 CONF IN (O)
12	L:AUDIO CH-1 REC OUT
13	L:AUDIO CH-1 CONF IN (O)
14	L:CTDM CONF OUT
15	L:CONF1 OUT
16	VIDEO RF-MOD IN (O)
17	VIDEO OUT-2 IN (O)
18	VIDEO OUT-1 IN (O)
19	VIDEO CAMERA IN (O)
20	GND (VIDEO)
21	L:OUT SAVE OUT
22	EXT SC OUT (O)
23	SELECT VIDEO OUT (O)
24	SELECT VIDEO OUT (O)
25	COMPONENT DET OUT
26	CAMERA Y OUT (O)
27	CAMERA R-Y OUT (O)
28	CAMERA B-Y OUT (O)
29	GND (CAMERA)
30	DUB Y IN (O)
31	DUB R-Y IN (O)
32	DUB B-Y IN (O)
33	DUB CTDM IN (O)
34	L:DUB CTDM OUT

CN910 (CN10)	
1	UNREG +12V OUT
2	EXT TC OUT (O)
3	EXT TC OUT (O)
4	TC OUTPUT IN (O)
5	TC OUTPUT IN (O)

CN911 (CN11)	
1	L:SAVE SW ON OUT
2	L:PB SW ON OUT
3	VTR SAVE/MONITOR OUT
4	REC TALLY IN
5	BATTERY IND IN
6	VTR L:STOP/H:START OUT
7	NC
8	ALARM TONE IN
9	NC
10	DUB SELECT SW OUT

CN912 (CN12)	
1	GND
2	DUB OUT GND
3	GND (CAMERA)

CN903 (CN1)	
1	CAMERA 998-1
2	CAMERA 998-2
3	CAMERA 998-3
4	CAMERA 998-4
5	CAMERA 998-5
6	CAMERA 998-6
7	CAMERA 998-7
8	CAMERA 998-8

CN904 (CN1)	
1	PSW-8, 956-1
2	BF-29, 922-5
3	BF-29, 922-4
4	BF-29, 922-1
5	NC
6	BF-29, 922-3
7	BF-29, 922-7
8	BF-29, 922-8

CN905 (CN1)	
1	CAMERA 998-12
2	CAMERA 998-13
3	CAMERA 998-15
4	CAMERA 998-17
5	CAMERA 998-18
6	CAMERA 998-19
7	CAMERA 998-20
8	CAMERA 998-22

CN906 (CN1)	
1	MS-22, 803-1
2	MS-22, 803-2
3	MS-22, 803-3
4	MS-22, 803-4
5	MS-22, 803-5
6	MS-22, 803-6
7	MS-22, 803-7
8	MS-22, 803-8
9	MS-22, 803-9

CN907 (CN1)	
1	MS-22, 804-1
2	MS-22, 804-2
3	MS-22, 804-3
4	MS-22, 804-4
5	MS-22, 804-5
6	MS-22, 804-6
7	MS-22, 804-7
8	MS-22, 804-8
9	MS-22, 804-9
10	MS-22, 804-10
11	MS-22, 804-11

CN909 (CN1)	
1	CON-12, 983-6
2	CON-12, 983-5
3	CON-12, 983-3
4	CON-12, 983-2
5	CON-12, 983-1
6	CON-12, 982-6
7	CON-12, 982-5
8	CON-12, 982-4
9	CON-12, 982-3
10	CON-12, 982-2
11	CON-12, 982-1

CN912 (CN12)	
1	MA-28, 967-1
2	MA-28, 967-2
3	MA-28, 967-3
4	MA-28, 967-4
5	MA-28, 967-5

CN-185

CN801 (CN1)	
1	CH-4/MON METER OUT
2	CH-4 MIC AMP OUT (O)
3	CH-4 MIC AMP OUT (O)
4	CH-3 MIC AMP OUT (O)
5	CH-3 MIC AMP OUT (O)
6	CH-2 MIC AMP OUT (O)
7	CH-2 MIC AMP OUT (O)
8	CH-1 MIC AMP OUT (O)
9	CH-1 MIC AMP OUT (O)
10	CH-4 PB IN (O)
11	CH-3 PB IN (O)
12	CH-3 PB IN (O)
13	CH-3 PB IN (O)
14	CH-2 PB IN (O)
15	CH-2 PB IN (O)
16	CH-1 PB IN (O)
17	CH-1 PB IN (O)
18	SW -12V OUT
19	GND
20	GND
21	SW +12V OUT
22	UNREG +12V OUT

CH-1 CH-2 CH-3 CH-4
ON OFF
MONITOR

CN803 (CN3)	
1	PHANTOM +12V IN
2	PHANTOM GND
3	L:OUT SAVE OUT
4	REG +5V IN
5	UNREG +12V IN
6	ALARM TONE IN
7	L:CONF1 OUT
8	L:CTDM CONF1 OUT
9	L:TBC OFF OUT

CN804 (CN4)	
1	SW +12V IN
2	SW -12V IN
3	VIDEO WHF IN (O)
4	GND
5	VTR SAVE/MONITOR OUT
6	L:AUDIO CH-1 REC IN
7	L:AUDIO CH-2 REC IN
8	VIDEO CH-1 CONF1 IN (O)
9	VIDEO CH-2 CONF1 IN (O)
10	VIDEO CH-2 CONF1 IN (O)
11	VIDEO CH-2 CONF1 IN (O)

CN922 (CN2)	
1	COMPONENT DET OUT
2	CAMERA Y IN (O)
3	CAMERA Y IN (O)
4	SELECT VIDEO OUT (O)
5	SELECT VIDEO OUT (O)
6	UNSW +5V IN
7	CAMERA VIDEO IN (O)
8	CAMERA VIDEO IN (O)

RV3 TRACKING RV1 CAMERA LINE VIDEO LEVEL
ON OFF

CN923 (CN3)	
1	VIDEO OUT-1 IN (O)
2	GND
3	VIDEO OUT-2 IN (O)
4	L:DOLBY ON OUT
5	TC OUTPUT IN (O)
6	GND

CN922 (CN2)	
1	EXT TC OUT (O)
2	UNREG +12V IN
3	PHANTOM +12V OUT
4	EXT SC OUT (O)
5	DUB SELECT SW OUT
6	REF VIDEO IN (O)

CN805 (CN5)	
1	PHONE OUT (O)
2	PHONE OUT (O)
3	PHANTOM +12V OUT
4	PHANTOM +48V IN
5	PHONE MUTE OUT
6	PHONE MUTE OUT

CN806 (CN6)	
1	AUDIO RF-MOD OUT
2	GND
3	VIDEO RF-MOD OUT
4	RF-MOD +5V OUT

CN807 (CN7)	
1	MA-28, 966-1
2	MA-28, 966-2
3	MA-28, 966-3
4	MA-28, 966-4
5	MA-28, 966-5
6	MA-28, 966-6

CN808 (CN8)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN809 (CN9)	
1	SV-9A, 202-7
2	SV-9A, 202-3
3	SV-11Q, 516-11

CN802 (CN2)	
1	CH-3 AUDIO IN
2	POWER ON MUTE IN
3	SAVE +12V IN
4	CH-1 AUDIO IN
5	GND
6	GND
7	CH-2 AUDIO IN
8	SAVE -12V IN
9	MONITOR SELECT OUT
10	CH-4/MON AUDIO IN

CN921 (CN1)	
1	LINE VIDEO IN (O)
2	GND
3	REF VIDEO IN (O)

CN921 (CN1)	
1	SV-9A, 202-1
2	SV-9A, 202-2
3	KY-11Q, 451-11
4	KY-11Q, 451-12
5	SV-11Q, 516-6
6	SV-9A, 202-6
7	SV-9A, 202-4

CN921 (CN1)	
1	CH-4 OUT
2	CH-4

CN921 (CN1)	
1	CH-4 OUT
2	CH-4

CN921 (CN1)	
1	CH-4 OUT
2	CH-4

CN921 (CN1)	
1	CH-4 OUT
2	CH-4

CN921 (CN1)	
1	CH-4 OUT
2	CH-4

CN921 (CN1)	
1	CH-4 OUT
2	CH-4

CN921 (CN1)	
1	CH-4 OUT
2	CH-4

CN921 (CN1)	
1	CH-4 OUT
2	CH-4

CN921 (CN1)	
1	CH-4 OUT
2	CH-4

CN921 (CN1)	
1	CH-4 OUT
2	CH-4

CN921 (CN1)	
1	CH-4 OUT
2	CH-4

CN921 (CN1)	
1	CH-4 OUT
2	CH-4

CN921 (CN1)	
1	CH-4 OUT
2	CH-4

CN76 (CN76)	
1	J1 EARPHONE
2	J2 HEADPHONES

CN71 (CN71)	
1	HP-36
2	RMD-1

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN76 (CN76)	
1	J1 EARPHONE
2	J2 HEADPHONES

CN71 (CN71)	
1	HP-36
2	RMD-1

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

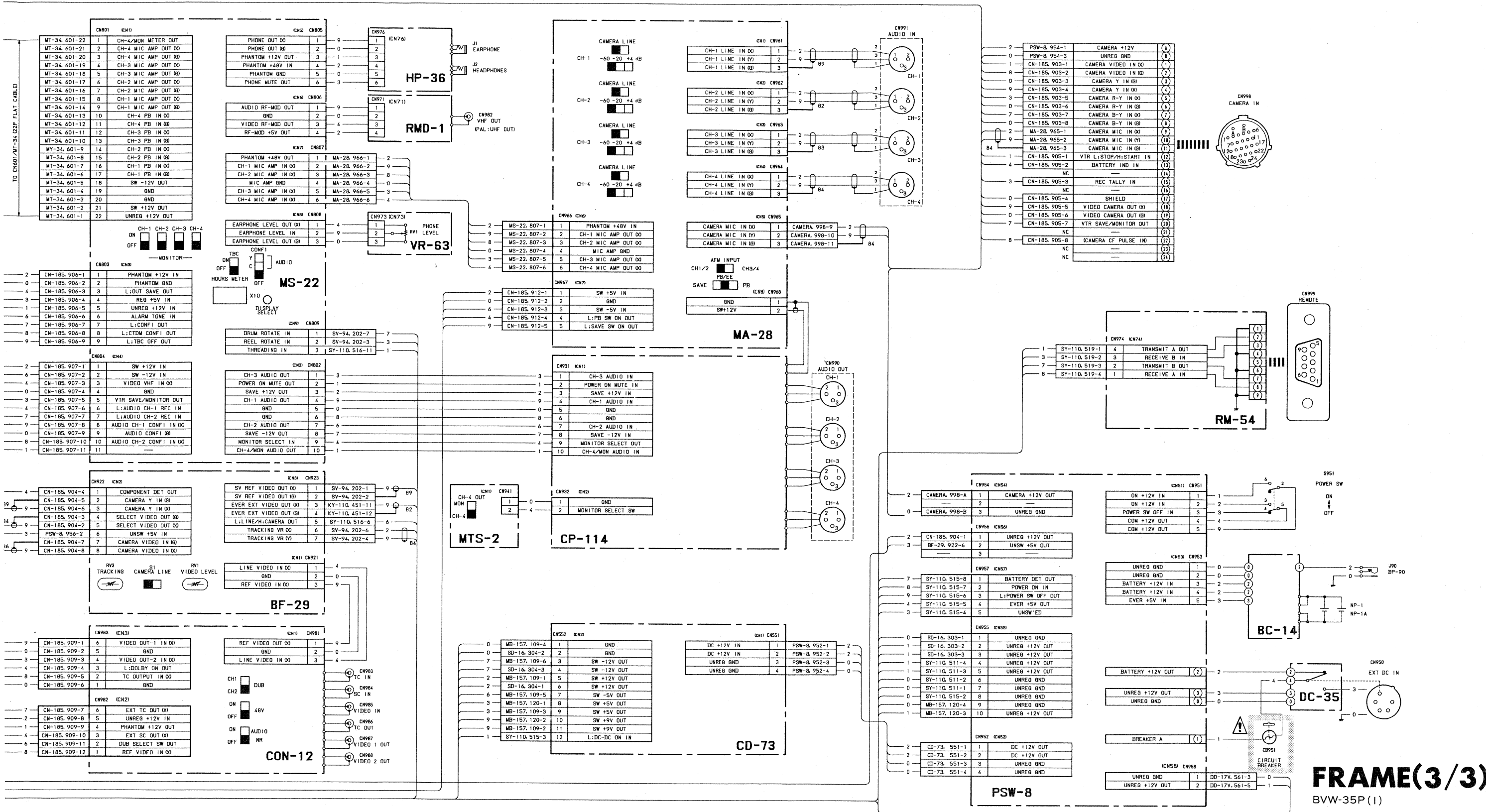
CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL

CN73 (CN73)	
1	PHONE LEVEL
2	PHONE LEVEL
3	PHONE LEVEL



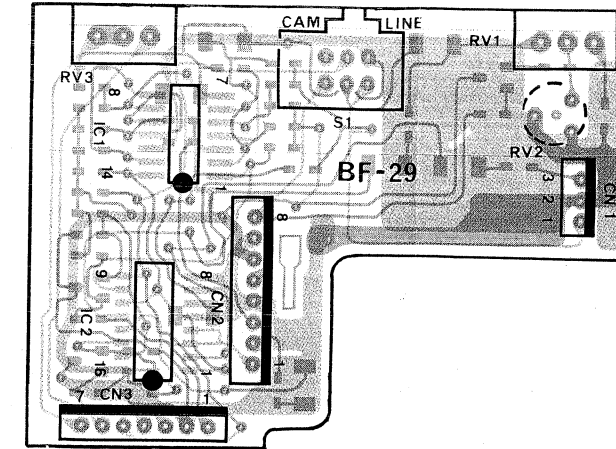
SECTION 15 PRINTED WIRING BOARDS

The circuit information is provided below.

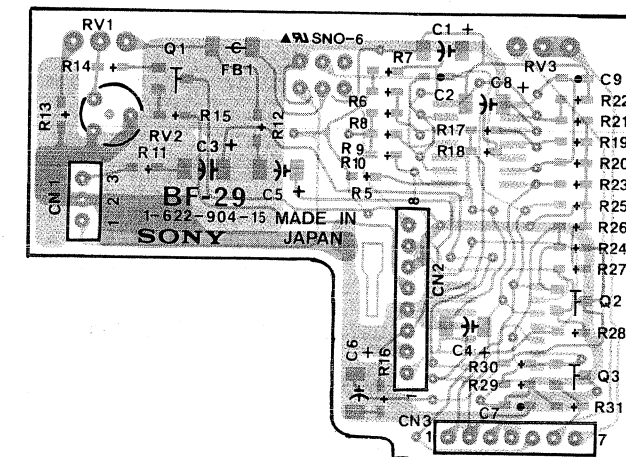
System	Board	Circuit function
Video	BF-29	Video Input Level/Buffer
	DEC-49P	Y/C Separator/Decoder
	MDM-3P	Modulator/Demodulator
	DL-13	1H Delay Line for DOC
	DM-58A	Demodulator
	DO-19	DO Detector
	DUS-277	RF Switch
	EQ-14	COS Equalizer
	FL-66	Filter
	EQ-14A	COS Equalizer
	PA-60A	PB Amplifier
	RF-16A	RF AGC
	RG-24	+5V Regulator
	TG-31	Timing Generator
	VA-54	Video Amplifier
	VRA-1	Video REC Amplifier
	CEC-3P	CTDM/Expander
	CF-29	Comb Filter
	CL-15	Clamper for DL-15 OUT signals
	CL-16	Clamper for DL-15 IN signals
	DL-14	1H Delay Line
	DL-15	1/2H, 1H Delay Line
	DL-17	1H Delay Line for CF
	ED-18	Edge Detector
	EQ-23	Delay Circuit
	LM-15	Limiter for Pre-phaser
	LM-16	Limiter for REC 100% CTDM signal
	NR-18	Noise Canceller for PB CTDM signal
	ENC-11P	Video Encoder/Y Processor

System	Board	Circuit function
Audio	MA-28	Mic Amplifier
	MT-34	Meter Drive/Audio Level
	VR-64	PB Level
	AU-93P	Audio REC/PB Amplifier
	AFM-3	FM Audio
	AL-14	AGC/Limiter
	AR-12P	REC Amplifier
	CO-8	CONFI PB
	DC-33	DUB Crosstalk Canceller
	NR-19	Noise Reduction
	SG-137	REF Clock Generator
	VA-68	AGC
	MS-22	Monitor Amplifier/Monitor Selector
	CP-114	XLR OUT Amplifier
	VR-63	Phone Level
	HP-36	Headphones/Earphone
	CD-54	DC-DC Converter
Servo	DD-17V	DC-DC Converter
	MTS-2	CH-4 Monitor Switch
	ASW-7	Audio Front Switch
Time Code	SV-94P	Servo System
	SD-16P	Servo Driver
	DR-63	Drum Motor
System Control	TC-45P	Time Code REC/PB Amplifier
	KY-110P	Function Key/Time Code
	SY-110	System Control
	CS-22	SP Cassette-in Switch
	DU-39	Eject Motor
	SW-24	Unthreading-end Switch
	SW-203	Miss REC/Cassette-in Switch
Power	SWC-3	Tension Regulator Switch
	BC-14	Battery
	BC-17	Battery
	DC-DC CONV.	DC-DC Converter
	DC-35	DC IN/Diode
Other	PSW-8	Power Switch Control
	CN-185	CP Connection Board
	CON-12	BNC Connector
	DS-23	Dew Connection Board
	EX-150	Extension Board
	MB-157	Mother Board
	DE-19	Level Detector
	PA-67P	RF REC/PB Amplifier
	RM-54	9P Remote Control
	RMD-1	RF Modulator
	SR-41	Slip-ring

BF-29; VIDEO INPUT LEVEL/BUFFER



BF-29 —COMPONENT SIDE—
1-622-904-15(1)
BVW-35
BVW-35P



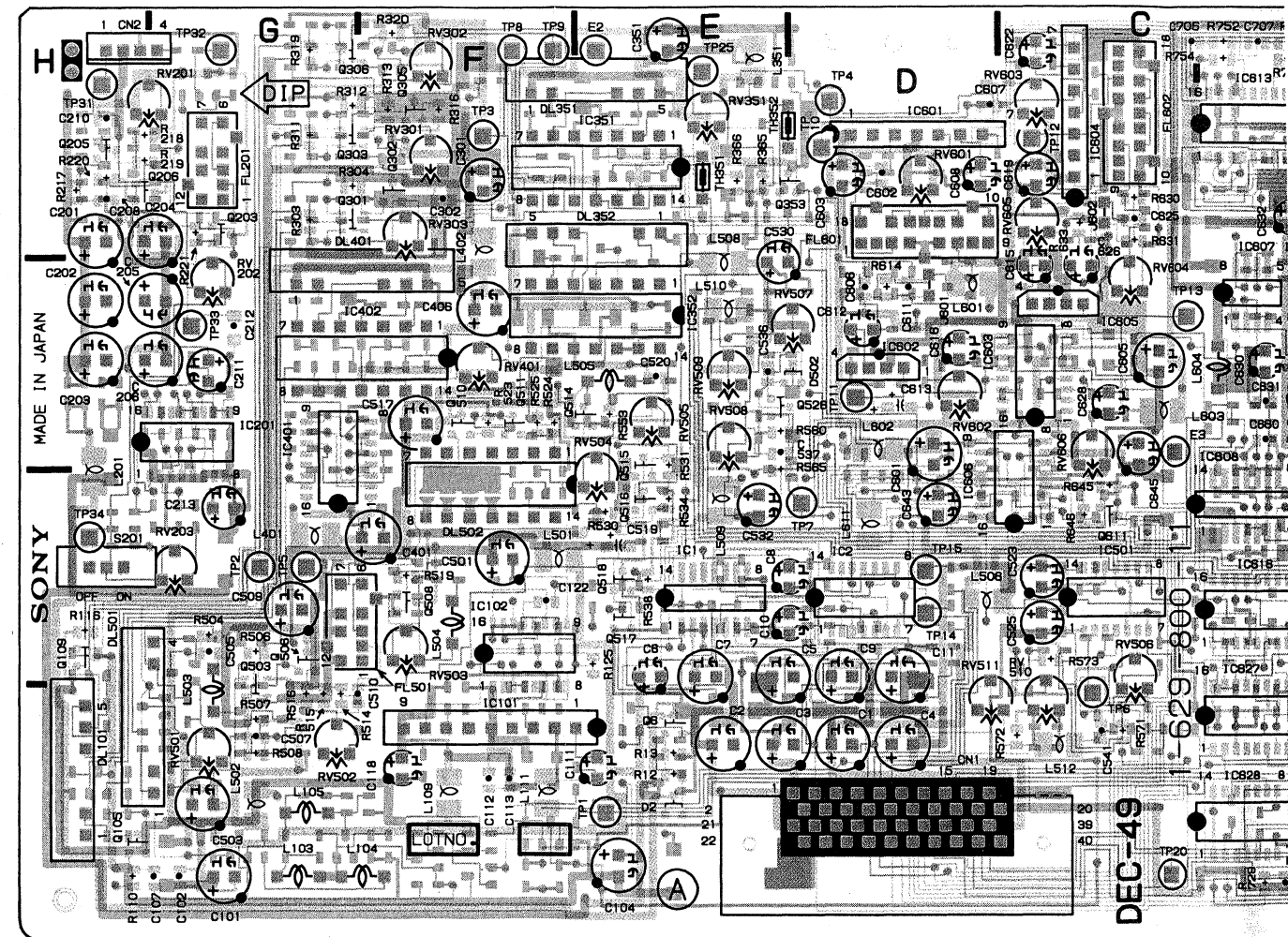
BF-29 —SOLDERING SIDE—
1-622-904-15(1)
BVW-35
BVW-35P

DEC-49P; Y/C SEPARATOR/DECODER

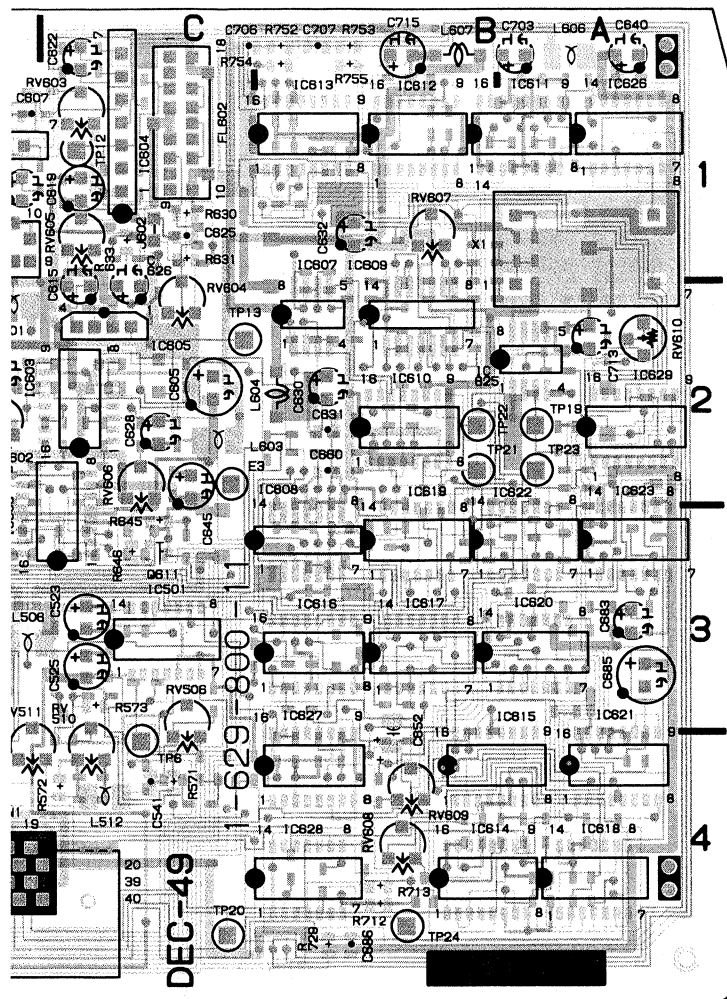
DEC-49P(1-629-800-11)

CN1	D-4	C	IC626	A-1	C	Q520	C-4	S	TP4	D-1	C
CN2	H-1	C	IC627	B-3	C	Q521	C-4	S	TP5	G-3	C
			IC628	B-4	C	Q526	D-2	C	TP6	C-4	C
D1	E-4	S	IC629	A-2	C	Q527	E-2	S	TP7	D-3	C
D2	E-4	C				Q529	C-3	S	TP8	F-1	C
D501	E-3	S	Q1	E-4	S	Q601	D-2	S	TP9	F-1	C
D502	D-2	C	Q2	E-4	S	Q602	D-2	S	TP10	D-1	C
D601	B-2	S	Q3	E-3	S	Q603	D-2	S	TP11	D-2	C
D602	A-3	S	Q4	E-3	S	Q604	D-2	S	TP12	C-1	C
			Q5	D-3	S	Q605	C-1	S	TP13	C-2	C
DL101	H-4	C	Q6	E-4	C	Q606	C-1	S	TP14	D-3	C
DL351	F-1	C	Q7	D-3	S	Q607	C-2	S	TP15	D-3	C
DL352	E-1	C	Q8	E-3	S	Q608	C-3	S	TP19	A-2	C
DL401	G-1	C	Q101	F-4	S	Q609	C-3	S	TP20	C-4	C
DL501	H-3	C	Q102	F-4	S	Q610	D-3	S	TP21	A-2	C
DL502	F-3	C	Q103	G-4	S	Q611	C-3	C	TP22	A-2	C
			Q104	G-4	S	Q612	C-3	S	TP23	A-2	C
E2	E-1	C	Q105	H-4	C	Q614	B-4	S	TP24	B-4	C
E3	B-2	C	Q106	F-4	S	Q615	A-3	S	TP25	E-1	C
			Q108	H-4	S	Q616	A-2	S	TP31	H-1	C
FL201	G-1	C	Q109	H-3	C	Q617	A-3	S	TP32	G-1	C
FL501	F-3	C	Q110	H-3	S				TP33	G-2	C
FL601	D-1	C	Q201	H-1	S	RV201	G-1	C	TP34	H-3	C
FL602	C-1	C	Q202	G-1	S	RV202	G-2	C			
			Q203	G-1	C	RV203	G-3	C	X1	B-1	C
IC1	E-3	C	Q204	G-1	S	RV301	F-1	C			
IC2	D-3	C	Q205	H-1	C	RV302	F-1	C			
IC101	F-4	C	Q206	G-1	C	RV303	F-1	C			
IC102	F-3	C	Q301	G-1	C	RV351	E-1	C			
IC201	G-2	C	Q302	F-1	C	RV401	F-2	C			
IC351	E-1	C	Q303	G-1	C	RV501	G-4	C			
IC352	E-2	C	Q304	F-1	S	RV502	G-4	C			
IC401	G-2	C	Q305	F-1	C	RV503	F-3	C			
IC402	F-2	C	Q306	G-1	C	RV504	E-2	C			
IC501	C-3	C	Q307	F-1	S	RV505	E-2	C			
IC601	D-1	C	Q351	E-1	S	RV506	C-3	C			
IC602	D-2	C	Q352	E-2	S	RV507	D-2	C			
IC603	D-2	C	Q353	E-1	C	RV508	E-2	C			
IC604	C-1	C	Q354	E-1	S	RV509	E-2	C			
IC605	C-2	C	Q401	F-2	S	RV510	C-3	C			
IC606	D-3	C	Q501	H-4	S	RV511	D-3	C			
IC607	B-1	C	Q502	G-3	S	RV602	D-2	C			
IC608	B-2	C	Q503	G-3	C	RV604	C-2	C			
IC609	B-1	C	Q504	G-4	S	RV605	C-1	C			
IC610	B-2	C	Q505	G-4	S	RV606	C-2	C			
IC611	A-1	C	Q506	G-3	C	RV607	B-1	C			
IC612	B-1	C	Q507	F-4	S	RV608	B-4	C			
IC613	B-1	C	Q508	F-3	C	RV609	B-4	C			
IC614	B-4	C	Q509	F-2	S	RV610	A-2	C			
IC615	A-3	C	Q510	F-2	C						
IC616	B-3	C	Q511	F-2	C	S201	H-3	C			
IC617	B-3	C	Q512	F-3	S						
IC618	A-4	C	Q513	E-2	S	TH351	E-1	C			
IC619	B-2	C	Q514	F-2	C	TH352	E-1	C			
IC620	A-3	C	Q515	E-2	C	TH501	D-3	S			
IC621	A-3	C	Q516	E-3	C						
IC622	A-2	C	Q517	E-3	C	TP1	E-4	C			
IC623	A-2	C	Q518	E-3	C	TP2	G-3	C			
IC625	B-2	C	Q519	D-3	S	TP3	F-1	C			

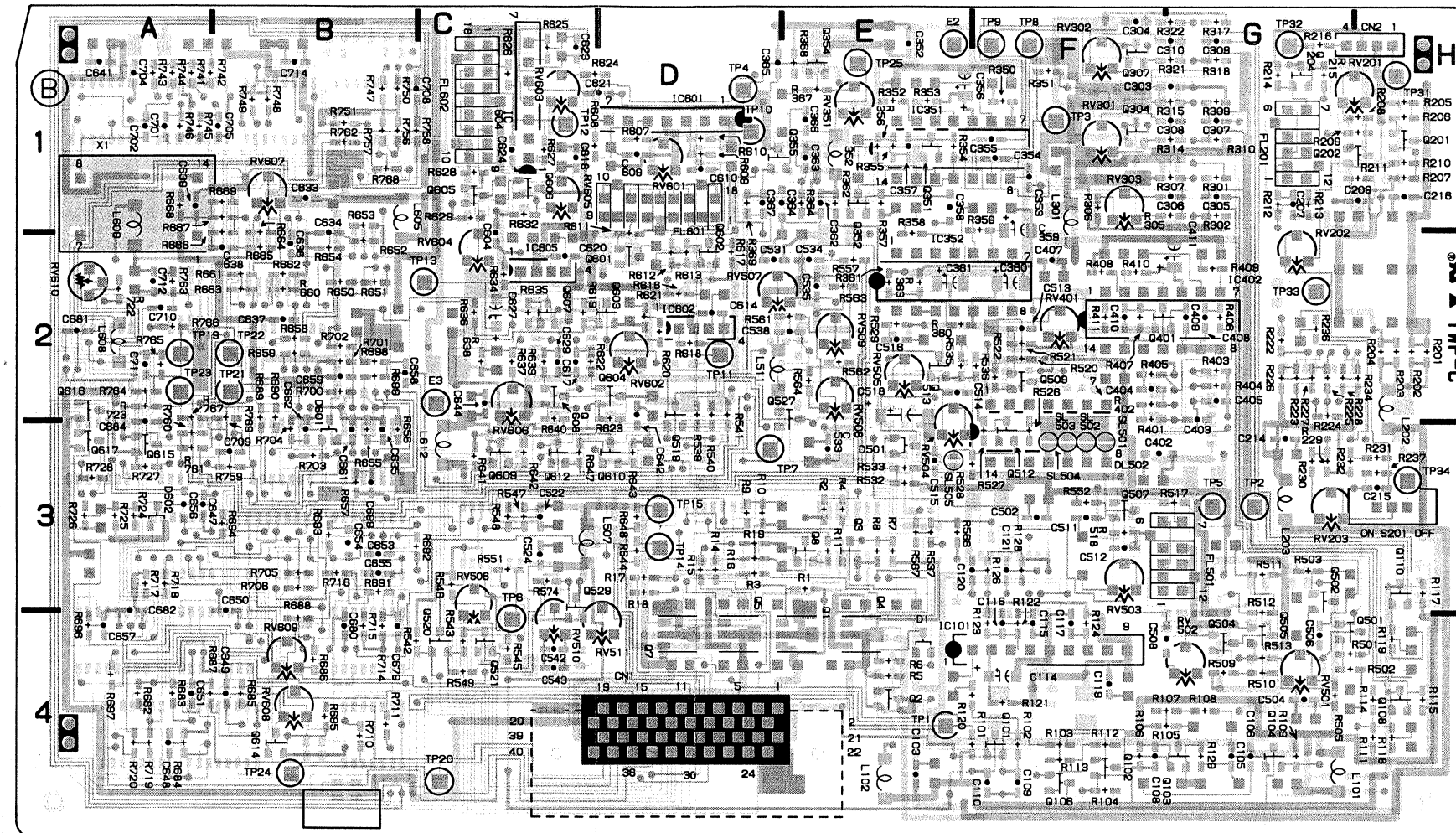
*** C; COMPONENT SIDE
*** S; SOLDERING SIDE



DE
1-629-
BVW
BVW



DEC-49P/PM — COMPONENT SIDE —
 I-629-800-11(1)
 BVW-35P
 BVW-35PM



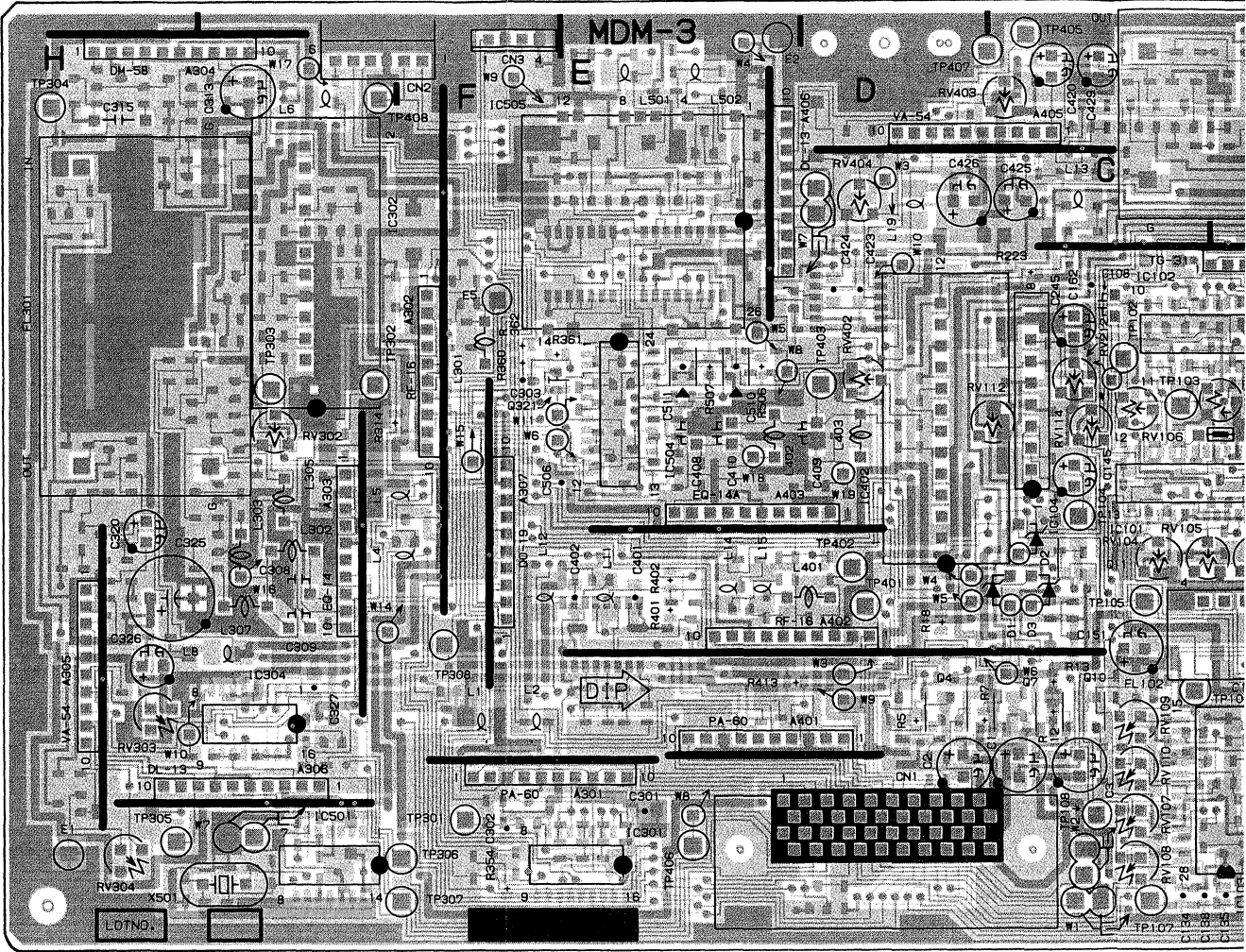
DEC-49P/PM — SOLDERING SIDE —
 I-629-800-11(1)
 BVW-35P
 BVW-35PM

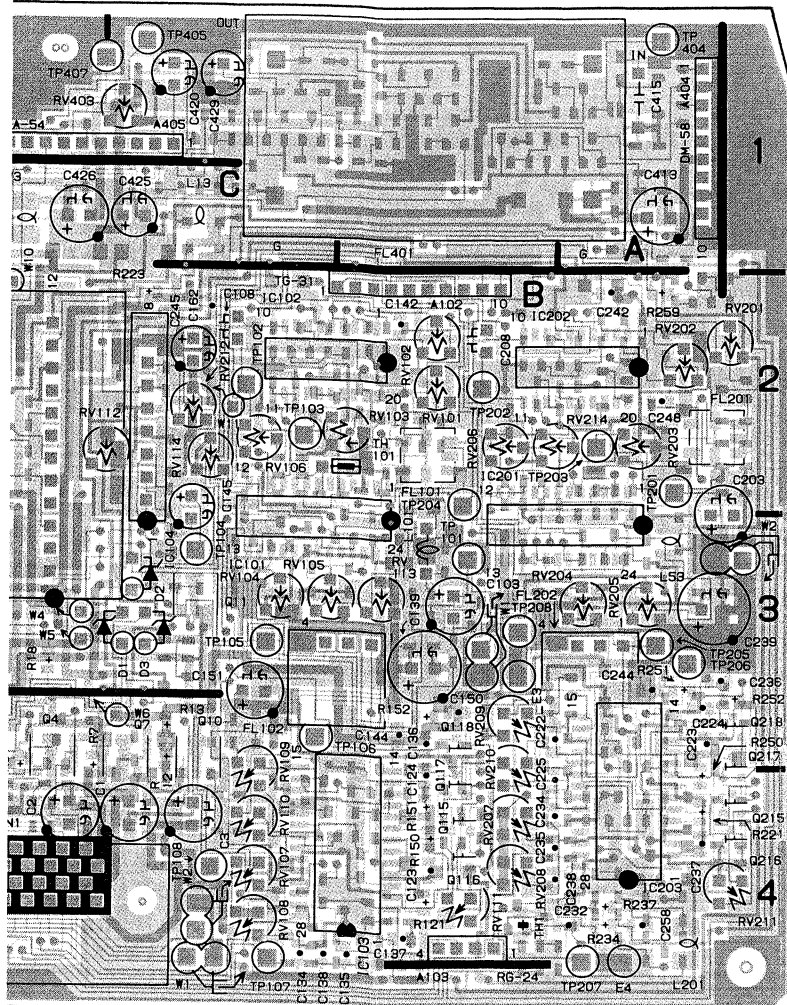
MDM-3P; MODULATOR/DEMODULATOR

MDM-3P(1-622-858-16)

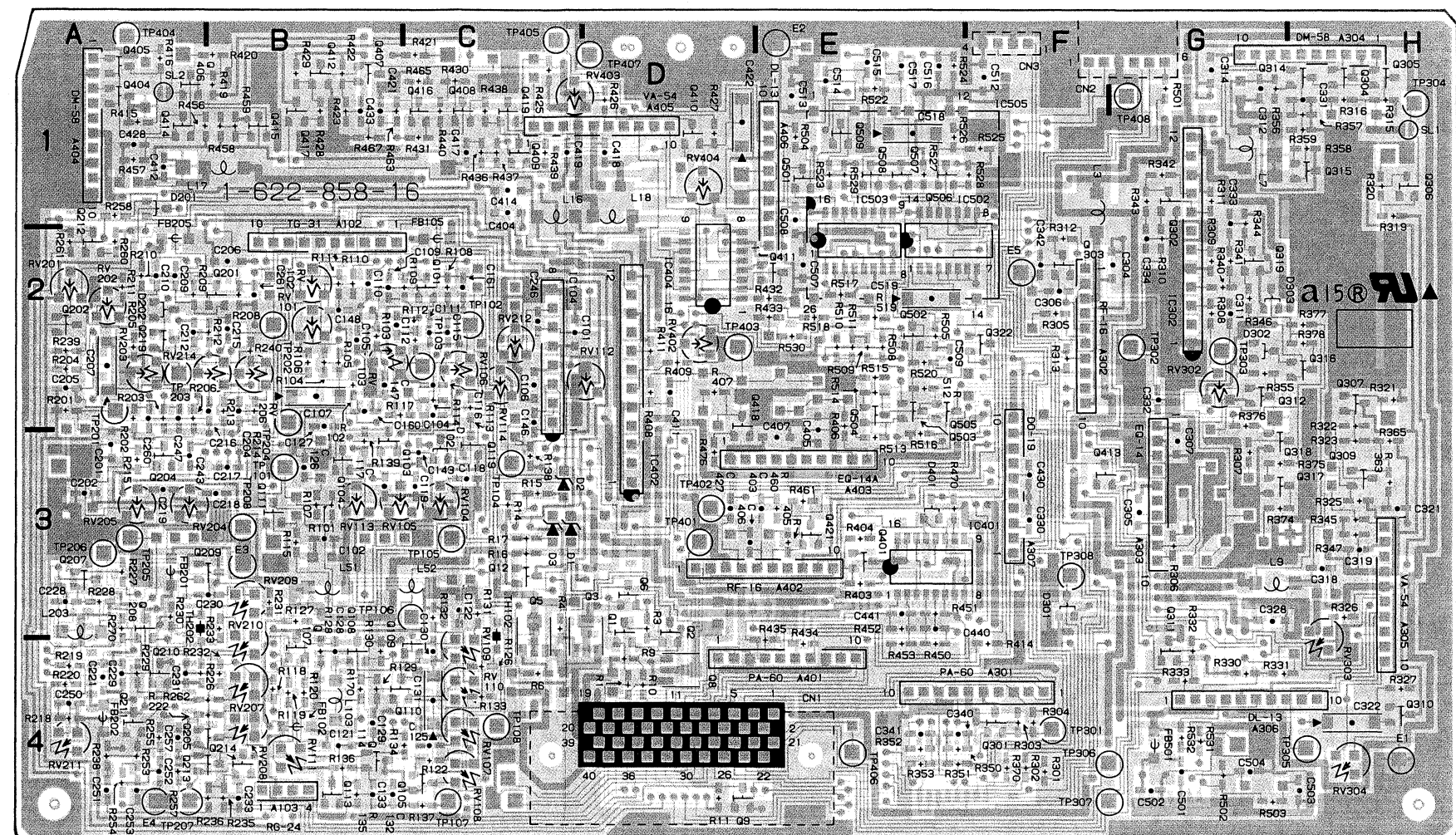
CN1	D-4	C	Q103	B-3	S	Q412	B-1	S	TP107	C-4	C
CN2	F-1	C	Q104	B-3	S	Q413	F-3	S	TP108	C-4	C
CN3	F-1	C	Q105	C-4	S	Q414	A-1	S	TP201	A-2	C
			Q107	B-4	S	Q418	B-1	S	TP202	B-2	C
D1	C-3	C	Q108	B-4	S	Q416	C-1	S	TP203	A-2	C
D2	C-3	C	Q109	C-4	S	Q417	B-1	S	TP204	B-3	C
D3	C-3	C	Q110	C-4	S	Q415	D-3	S	TP205	A-3	C
D102	C-3	S	Q111	B-3	S	Q419	C-1	S	TP206	A-3	C
D201	A-1	S	Q113	B-4	S	Q421	E-3	S	TP207	A-4	C
D202	A-2	S	Q114	B-4	S	Q501	E-1	S	TP208	B-3	C
D301	F-3	S	Q115	B-4	C	Q502	E-2	S	TP301	F-4	C
D302	G	S	Q116	B-4	C	Q503	E-2	S	TP302	G-2	C
D303	G-2	S	Q117	B-4	C	Q504	E-2	S	TP303	G-2	C
D401	E-3	S	Q118	B-3	C	Q505	E-2	S	TP304	H-1	C
			Q119	C-3	S	Q506	E-1	S	TP305	H-4	C
E1	H-4	C	Q201	B-2	S	Q507	E-1	S	TP306	F-4	C
E2	E-1	C	Q202	A-2	S	Q508	E-1	S	TP307	F-4	C
E3	B-3	C	Q204	A-3	S	Q509	E-1	S	TP308	F-3	C
E4	A-4	C	Q205	B-4	S				TP401	D-3	C
E5	F-2	C	Q207	A-3	S	RV101	B-2	C	TP402	D-3	C
			Q208	A-3	S	RV102	B-2	C	TP403	D-2	C
FL101	B-2	C	Q209	A-3	S	RV103	B-2	C	TP404	A-1	C
FL102	C-3	C	Q210	A-4	S	RV104	C-3	C	TP405	C-1	C
FL201	A-2	C	Q211	A-4	S	RV105	C-3	C	TP406	E-4	C
FL202	A-3	C	Q212	A-2	S	RV106	C-2	C	TP407	D-1	C
FL301	H-2	C	Q213	B-4	S	RV107	C-4	C	TP408	G-1	C
FL401	B-1	C	Q214	B-4	S	RV108	C-4	C			
			Q215	A-4	C	RV109	C-4	C	X501	G-4	C
IC101	B-3	C	Q216	A-4	C	RV110	C-4	C			
IC102	B-2	C	Q217	A-4	C	RV111	B-4	C			
IC103	B-4	C	Q218	A-3	C	RV112	C-2	C			
IC104	C-2	C	Q219	A-2	S	RV113	B-3	C			
IC201	A-3	C	Q301	F-4	S	RV114	C-2	C			
IC202	A-2	C	Q302	G-1	S	RV201	A-2	C			
IC203	A-4	C	Q304	H-1	S	RV202	A-2	C			
IC301	F-4	C	Q305	H-1	S	RV203	A-2	C			
IC302	G-2	C	Q306	H-1	S	RV204	A-3	C			
IC304	G-4	C	Q307	H-2	S	RV205	A-3	C			
IC401	E-3	S	Q309	H-3	S	RV206	B-2	C			
IC402	D-2	C	Q310	H-4	S	RV207	B-4	C			
IC404	D-2	S	Q311	G-4	S	RV208	B-4	C			
IC501	G-4	C	Q312	G-2	S	RV209	B-3	C			
IC502	E-2	S	Q314	H-1	S	RV210	B-4	C			
IC503	E-2	S	Q315	G-1	S	RV211	A-4	C			
IC504	E-2	C	Q316	H-2	S	RV212	C-2	C			
IC505	E-1	C	Q317	G-3	S	RV214	A-2	C			
			Q318	G-3	S	RV302	G-2	C			
Q1	D-4	S	Q319	G-2	S	RV303	H-4	C			
Q2	D-4	S	Q321	F-2	C	RV304	H-4	C			
Q4	D-4	C	Q322	F-2	S	RV402	D-2	C			
Q5	C-4	S	Q401	E-3	S	RV403	C-1	C			
Q6	D-3	S	Q404	A-1	S	RV404	D-1	C			
Q7	C-4	C	Q405	A-1	S						
Q8	D-4	S	Q406	A-1	S	TP101	B-3	C			
Q9	D-4	S	Q407	B-1	S	TP102	C-2	C			
Q10	C-4	C	Q408	C-1	S	TP103	C-2	C			
Q11	C-3	C	Q409	C-1	S	TP104	C-3	C			
Q12	C-3	S	Q410	D-1	S	TP105	C-3	C			
Q101	C-2	S	Q411	E-2	S	TP106	C-3	C			

*** C; COMPONENT SIDE
*** S; SOLDERING SIDE





MDM-3/P — COMPONENT SIDE—
 1-622-858-16(1)
 BVW-35
 BVW-35P



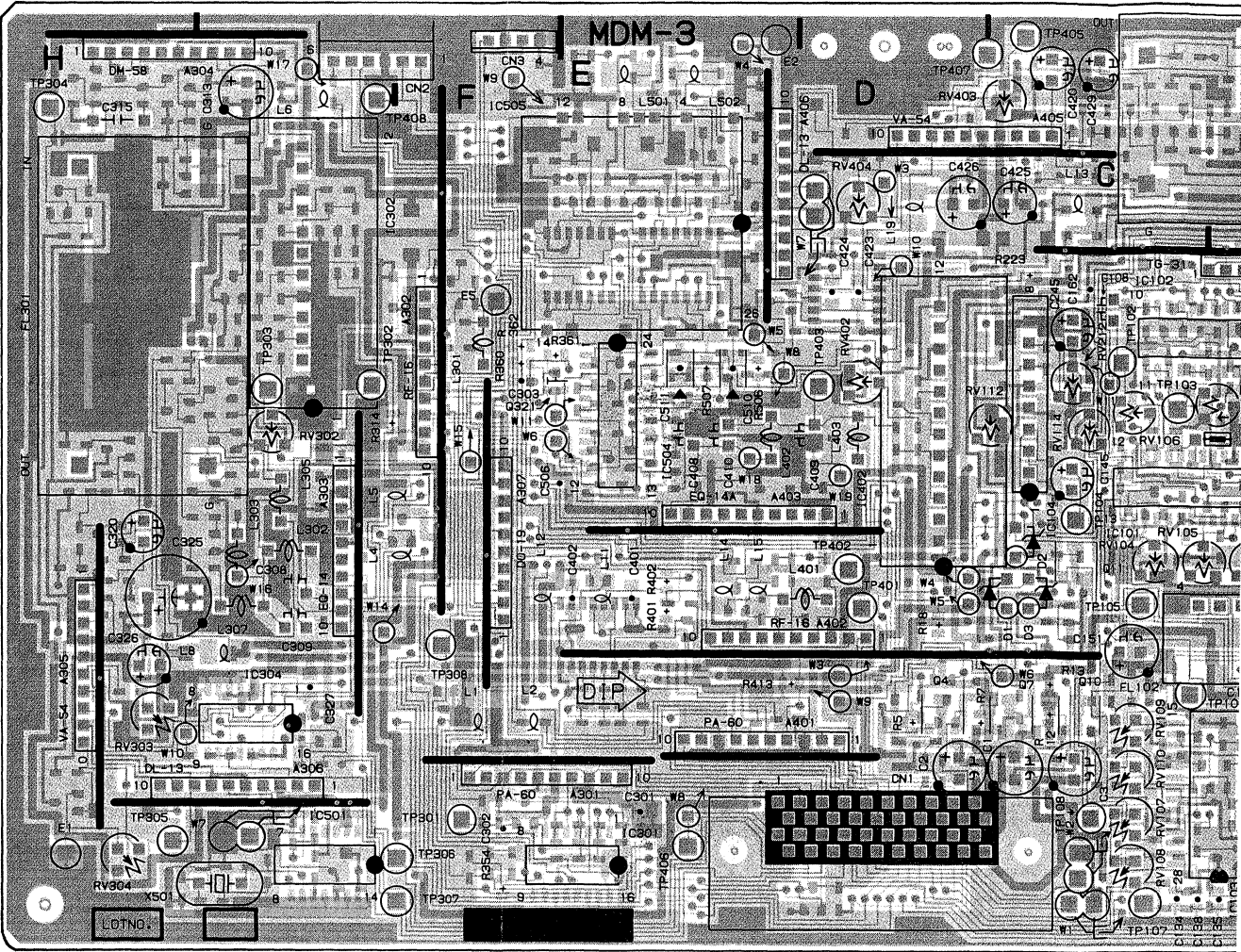
MDM-3/P — SOLDERING SIDE—
 1-622-858-16(1)
 BVW-35
 BVW-35P

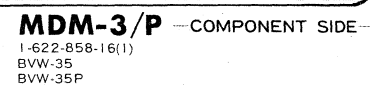
MDM-3P; MODULATOR/DEMODULATOR

MDM-3P(1-622-858-16)

CN1	D-4	C	Q103	B-3	S	Q412	B-1	S	TP107	C-4	C
CN2	F-1	C	Q104	B-3	S	Q413	F-3	S	TP108	C-4	C
CN3	F-1	C	Q105	C-4	S	Q414	A-1	S	TP201	A-2	C
			Q107	B-4	S	Q418	B-1	S	TP202	B-2	C
D1	C-3	C	Q108	B-4	S	Q416	C-1	S	TP203	A-2	C
D2	C-3	C	Q109	C-4	S	Q417	B-1	S	TP204	B-3	C
D3	C-3	C	Q110	C-4	S	Q415	D-3	S	TP205	A-3	C
D102	C-3	S	Q111	B-3	S	Q419	C-1	S	TP206	A-3	C
D201	A-1	S	Q113	B-4	S	Q421	E-3	S	TP207	A-4	C
D202	A-2	S	Q114	B-4	S	Q501	E-1	S	TP208	B-3	C
D301	F-3	S	Q115	B-4	C	Q502	E-2	S	TP301	F-4	C
D302	G	S	Q116	B-4	C	Q503	E-2	S	TP302	G-2	C
D303	G-2	S	Q117	B-4	C	Q504	E-2	S	TP303	G-2	C
D401	E-3	S	Q118	B-3	C	Q505	E-2	S	TP304	H-1	C
			Q119	C-3	S	Q506	E-1	S	TP305	H-4	C
E1	H-4	C	Q201	B-2	S	Q507	E-1	S	TP306	F-4	C
E2	E-1	C	Q202	A-2	S	Q508	E-1	S	TP307	F-4	C
E3	B-3	C	Q204	A-3	S	Q509	E-1	S	TP308	F-3	C
E4	A-4	C	Q205	B-4	S				TP401	D-3	C
E5	F-2	C	Q207	A-3	S	RV101	B-2	C	TP402	D-3	C
			Q208	A-3	S	RV102	B-2	C	TP403	D-2	C
FL101	B-2	C	Q209	A-3	S	RV103	B-2	C	TP404	A-1	C
FL102	C-3	C	Q210	A-4	S	RV104	C-3	C	TP405	C-1	C
FL201	A-2	C	Q211	A-4	S	RV105	C-3	C	TP406	E-4	C
FL202	A-3	C	Q212	A-2	S	RV106	C-2	C	TP407	D-1	C
FL301	H-2	C	Q213	B-4	S	RV107	C-4	C	TP408	G-1	C
FL401	B-1	C	Q214	B-4	S	RV108	C-4	C			
			Q215	A-4	C	RV109	C-4	C	X501	G-4	C
IC101	B-3	C	Q216	A-4	C	RV110	C-4	C			
IC102	B-2	C	Q217	A-4	C	RV111	B-4	C			
IC103	B-4	C	Q218	A-3	C	RV112	C-2	C			
IC104	C-2	C	Q219	A-2	S	RV113	B-3	C			
IC201	A-3	C	Q301	F-4	S	RV114	C-2	C			
IC202	A-2	C	Q302	G-1	S	RV201	A-2	C			
IC203	A-4	C	Q304	H-1	S	RV202	A-2	C			
IC301	F-4	C	Q305	H-1	S	RV203	A-2	C			
IC302	G-2	C	Q306	H-1	S	RV204	A-3	C			
IC304	G-4	C	Q307	H-2	S	RV205	A-3	C			
IC401	E-3	S	Q309	H-3	S	RV206	B-2	C			
IC402	D-2	C	Q310	H-4	S	RV207	B-4	C			
IC404	D-2	S	Q311	G-4	S	RV208	B-4	C			
IC501	G-4	C	Q312	G-2	S	RV209	B-3	C			
IC502	E-2	S	Q314	H-1	S	RV210	B-4	C			
IC503	E-2	S	Q315	G-1	S	RV211	A-4	C			
IC504	E-2	C	Q316	H-2	S	RV212	C-2	C			
IC505	E-1	C	Q317	G-3	S	RV214	A-2	C			
			Q318	G-3	S	RV302	G-2	C			
Q1	D-4	S	Q319	G-2	S	RV303	H-4	C			
Q2	D-4	S	Q321	F-2	C	RV304	H-4	C			
Q4	D-4	C	Q322	F-2	S	RV402	D-2	C			
Q5	C-4	S	Q401	E-3	S	RV403	C-1	C			
Q6	D-3	S	Q404	A-1	S	RV404	D-1	C			
Q7	C-4	C	Q405	A-1	S						
Q8	D-4	S	Q406	A-1	S	TP101	B-3	C			
Q9	D-4	S	Q407	B-1	S	TP102	C-2	C			
Q10	C-4	C	Q408	C-1	S	TP103	C-2	C			
Q11	C-3	C	Q409	C-1	S	TP104	C-3	C			
Q12	C-3	S	Q410	D-1	S	TP105	C-3	C			
Q101	C-2	S	Q411	E-2	S	TP106	C-3	C			

*** C; COMPONENT SIDE
*** S; SOLDERING SIDE





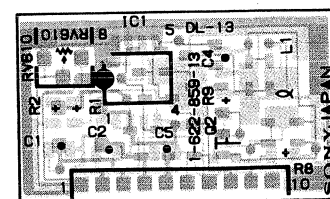
DL-13, DM-58A, DO-19

DL-13, DM-58A, DO-19

DL-13; 1H DELAY LINE FOR DOC

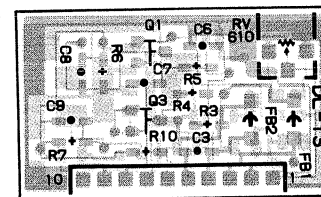
DM-58A; DEMODULATOR

DO-19; DO DETECTOR



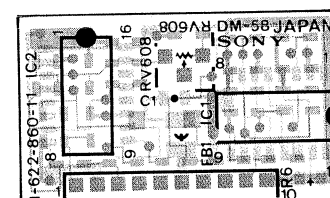
DL-13 —COMPONENT SIDE—

I-622-859-13(I)
BVW-35
BVW-35P



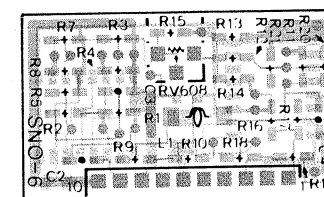
DL-13 —SOLDERING SIDE—

I-622-859-13(I)
BVW-35
BVW-35P



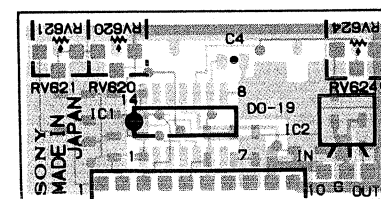
DM-58A —COMPONENT SIDE—

I-622-860-11(I)
BVW-35P



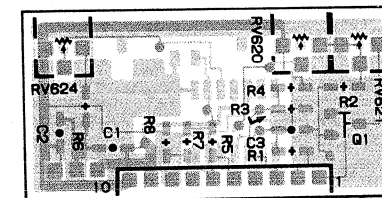
DM-58A —SOLDERING SIDE—

I-622-860-11(I)
BVW-35P



DO-19 —COMPONENT SIDE—

I-623-216-13(I)
BVW-35
BVW-35P



DO-19 —SOLDERING SIDE—

I-623-216-13(I)
BVW-35
BVW-35P

DUS-277; RF SWITCH

EQ-14; COS EQUALIZER

EQ-14A; COS EQUALIZER

FL-66; FILTER

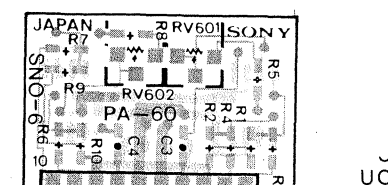
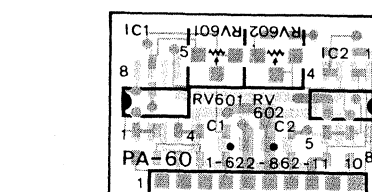
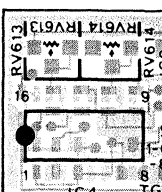
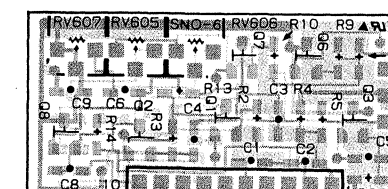
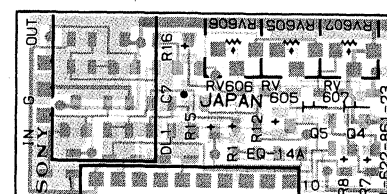
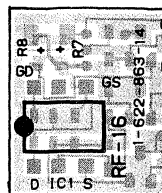
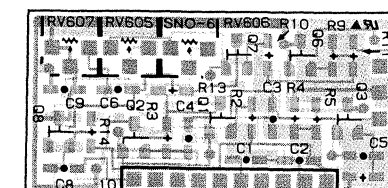
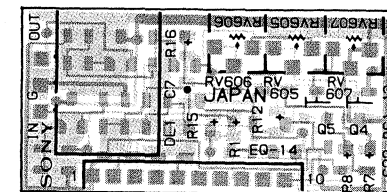
PA-60A; PB AMPLIFIER

RF-16A; RF AGC

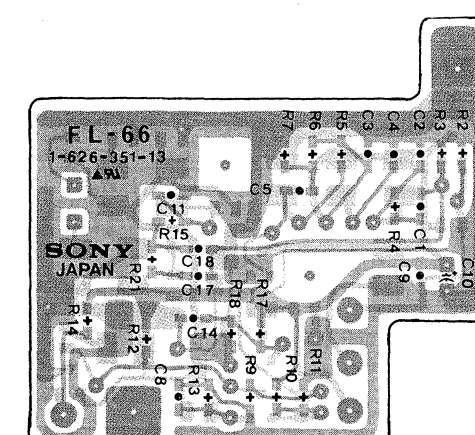
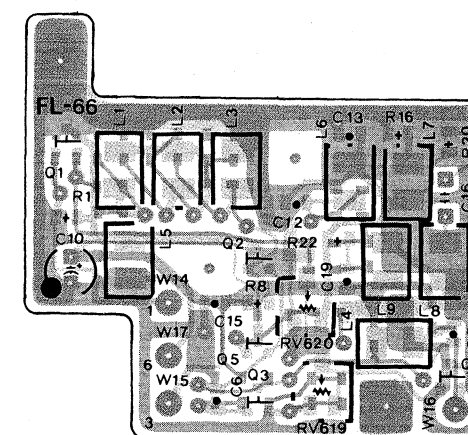
RG-24; +5V REGULATOR

TG-31; TIMING GENERATOR

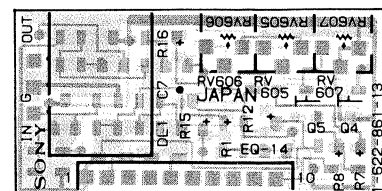
VA-54; VIDEO AMPLIFIER



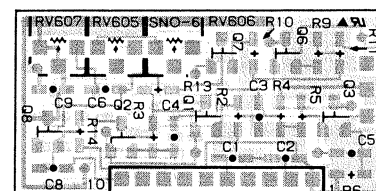
J : PA-60
UC : PA-60
EK : PA-60A



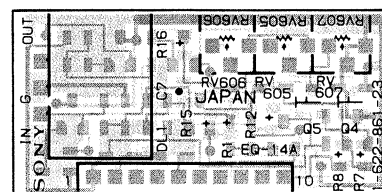
DUS-277; RF SWITCH
EQ-14; COS EQUALIZER
EQ-14A; COS EQUALIZER
FL-66; FILTER
PA-60A; PB AMPLIFIER
RF-16A; RF AGC
RG-24; +5V REGULATOR
TG-31; TIMING GENERATOR
VA-54; VIDEO AMPLIFIER



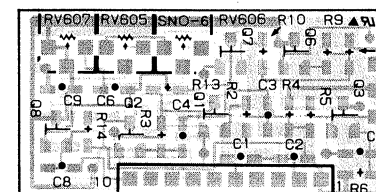
EQ-14 — COMPONENT SIDE—
I-622-861-13(I)
BVW-35
BVW-35P



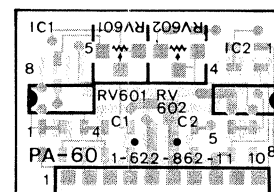
EQ-14 — SOLDERING SIDE—
I-622-861-13(I)
BVW-35
BVW-35P



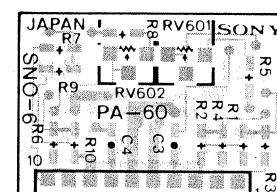
EQ-14A — COMPONENT SIDE—
I-622-861-23(I)
BVW-35
BVW-35P



EQ-14A — SOLDERING SIDE—
I-622-861-23(I)
BVW-35
BVW-35P

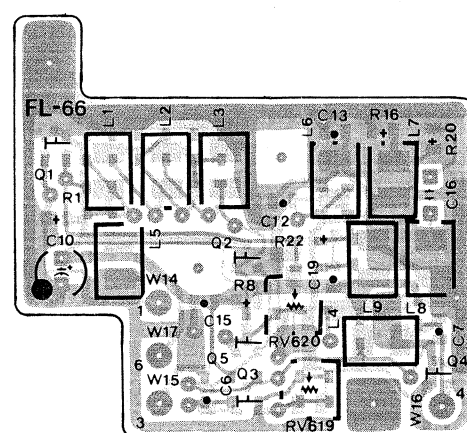


PA-60/A — COMPONENT SIDE—
I-622-862-11(I)
BVW-35
BVW-35P

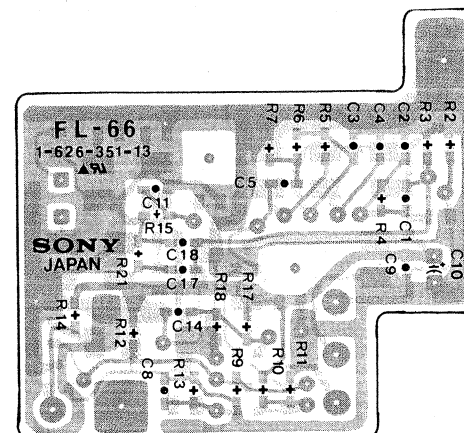


PA-60/A — SOLDERING SIDE—
I-622-862-11(I)
BVW-35
BVW-35P

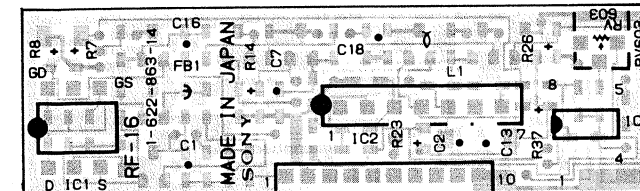
J: PA-60
UC: PA-60
EK: PA-60A



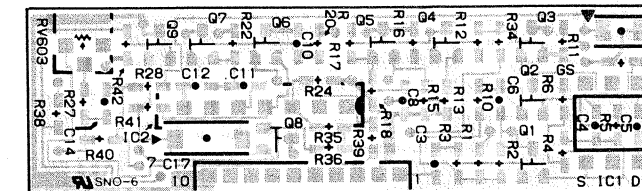
FL-66 — COMPONENT SIDE—
I-626-351-13(I)
BVW-35P



FL-66 — SOLDERING SIDE—
I-626-351-13(I)
BVW-35P

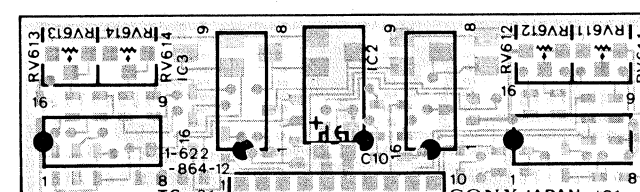


RF-16/A — COMPONENT SIDE—
I-622-863-14(I)
BVW-35
BVW-35P

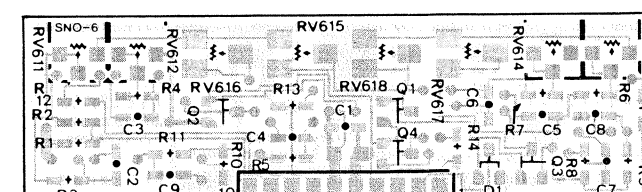


RF-16/A — SOLDERING SIDE—
I-622-863-14(I)
BVW-35
BVW-35P

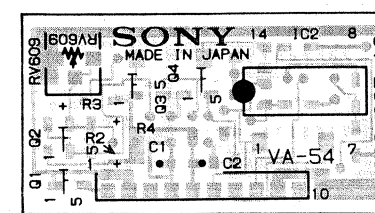
J: RF-16
UC: RF-16
EK: RF-16A



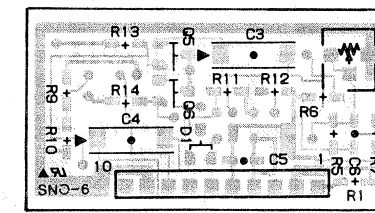
TG-31 — COMPONENT SIDE—
I-622-864-12(I)
BVW-35
BVW-35P



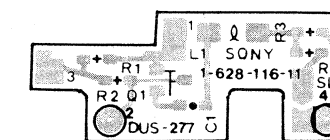
TG-31 — SOLDERING SIDE—
I-622-864-12(I)
BVW-35
BVW-35P



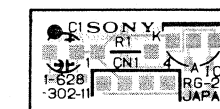
VA-54 — COMPONENT SIDE—
I-622-865-13(I)
BVW-35
BVW-35P



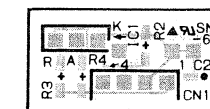
VA-54 — SOLDERING SIDE—
I-622-865-13(I)
BVW-35
BVW-35P



DUS-277 — SOLDERING SIDE—
I-628-116-11(I)
BVW-35P



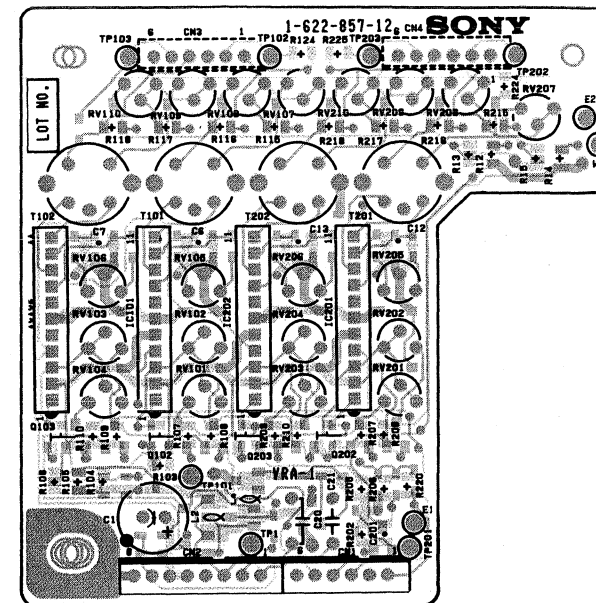
RG-24 — COMPONENT SIDE—
I-628-302-11(I)
BVW-35
BVW-35P



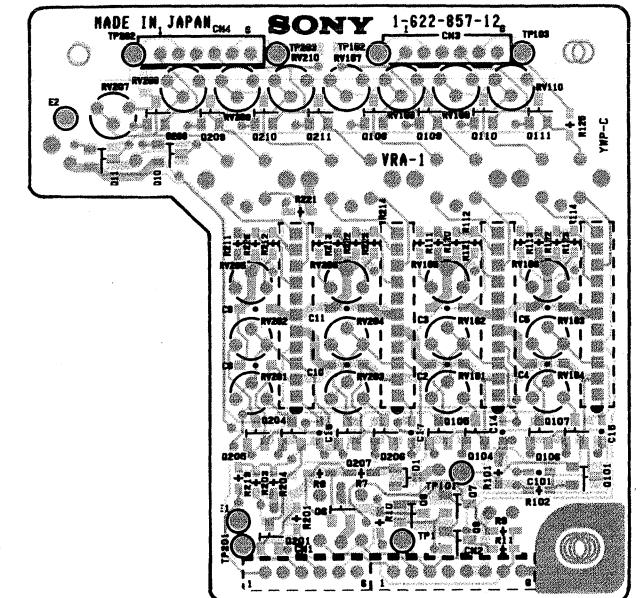
RG-24 — SOLDERING SIDE—
I-628-302-11(I)
BVW-35
BVW-35P

VRA-1 VRA-1

VRA-1 ; VIDEO REC AMPLIFIER



VRA-1 —COMPONENT SIDE—
1-622-857-12(1)
BVW-35
BVW-35P

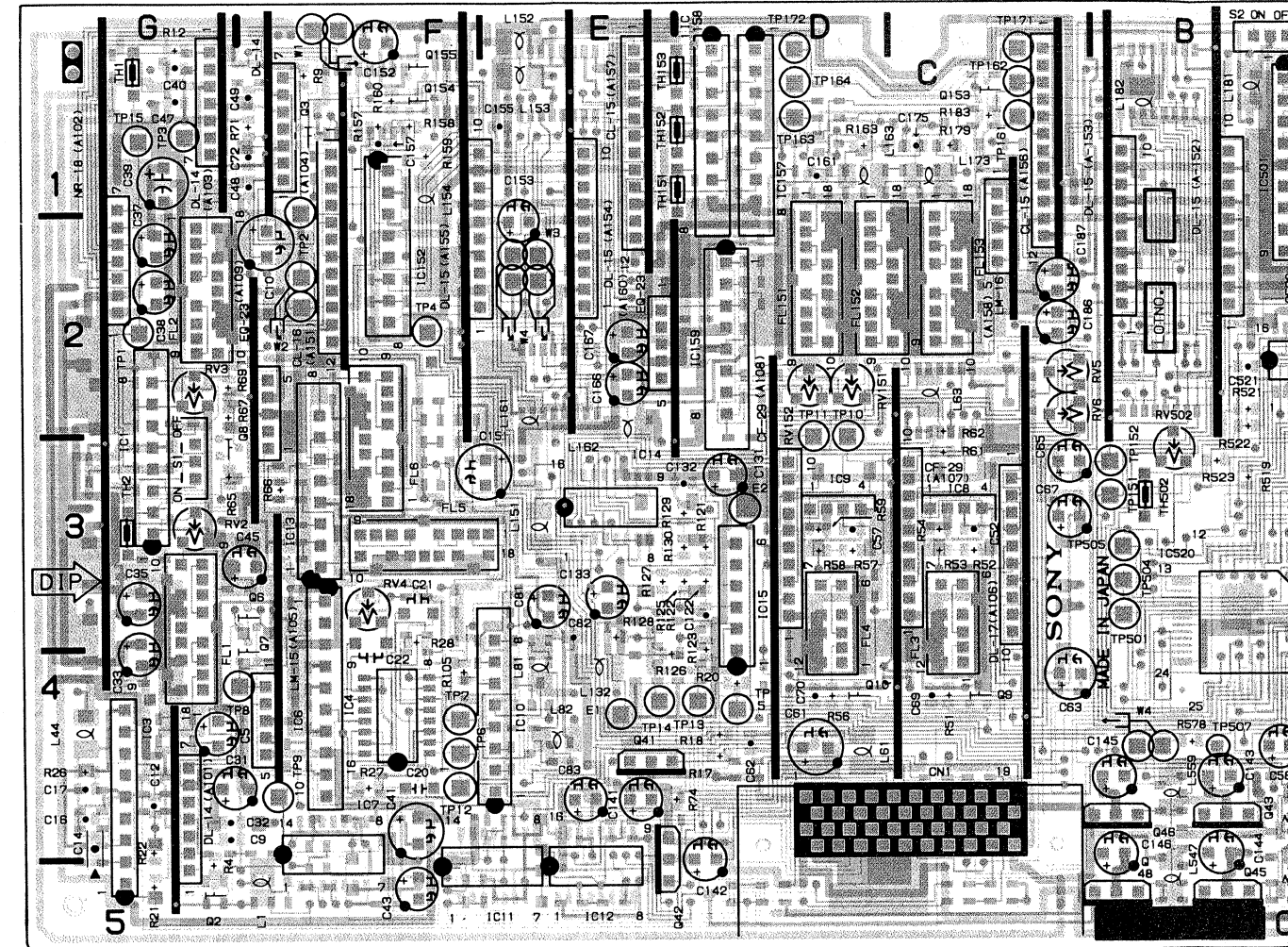


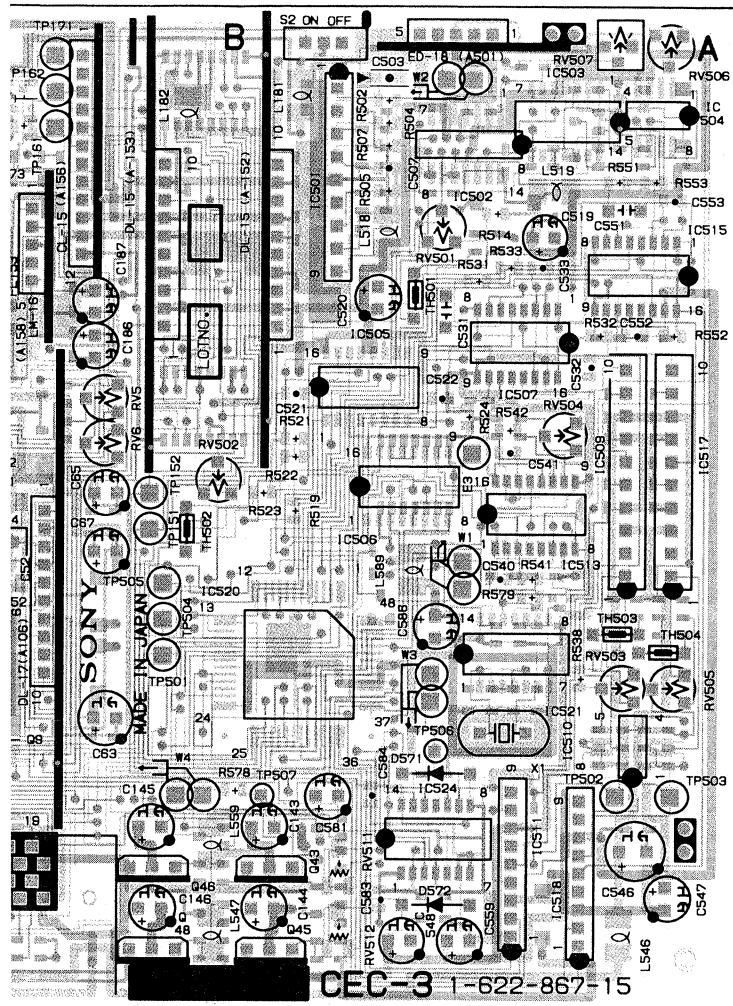
VRA-1 —SOLDERING SIDE—
1-622-857-12(1)
BVW-35
BVW-35P

CEC-3P; CTD/EXPANDER

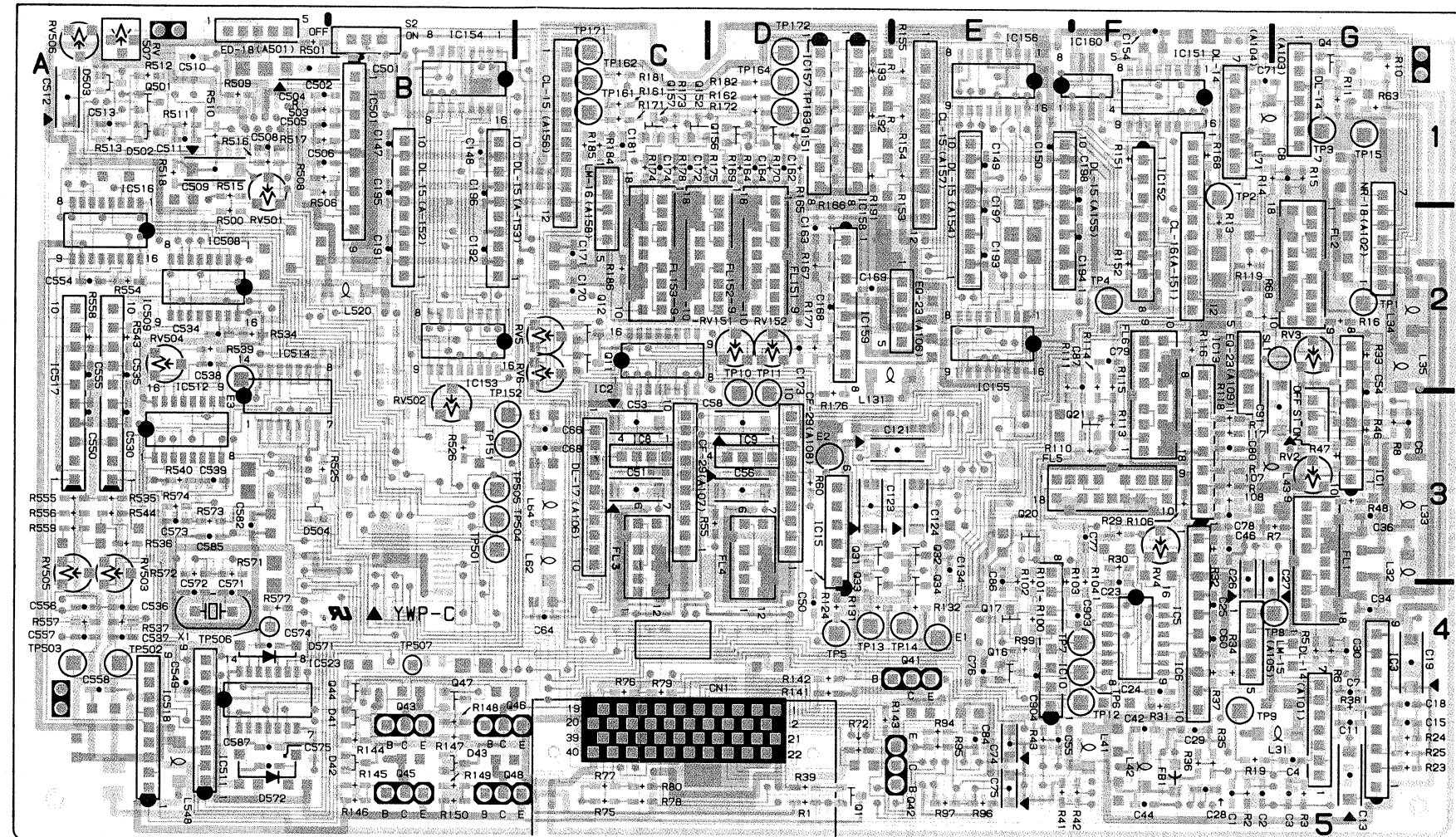
CEC-3P(1-622-867-15)

CN1	C-4	C	IC510	A-4	C	RV503	A-3	C
			IC511	A-4	C	RV504	A-2	C
D41	B-4	S	IC512	A-3	S	RV505	A-3	C
D42	B-4	S	IC513	A-3	C	RV506	A-1	C
D43	B-4	S	IC514	A-3	S	RV507	B-3	C
D502	A-1	S	IC515	A-2	C	RV511	B-4	C
D503	A-1	S	IC516	A-2	S	RV512	B-5	C
D504	A-3	S	IC517	A-2	C			
D571	A-4	C	IC518	A-4	C	S1	G-3	C
D572	A-4	C	IC520	B-3	C	S2	B-1	C
			IC521	A-3	C			
E1	E-4	C	IC523	A-4	S	TP1	G-2	C
E2	D-3	C	IC524	A-4	C	TP2	F-2	C
E3	A-2	C				TP3	G-1	C
			Q1	D-4	S	TP4	F-2	C
FL1	G-3	C	Q2	G-5	C	TP5	D-4	C
FL2	G-2	C	Q3	F-1	C	TP6	F-4	C
FL3	C-3	C	Q4	G-1	S	TP7	F-4	C
FL4	D-3	C	Q6	F-3	C	TP8	F-4	C
FL5	F-3	C	Q7	F-3	C	TP9	F-4	C
FL6	F-3	C	Q8	G-3	C	TP10	D-2	C
FL151	D-2	C	Q9	C-4	C	TP11	D-2	C
FL152	C-2	C	Q10	D-4	C	TP12	E-4	C
FL153	C-2	C	Q11	C-2	S	TP13	D-4	C
			Q12	C-2	S	TP14	E-4	C
IC1	G-3	C	Q16	E-4	S	TP15	G-1	C
IC2	C-2	S	Q17	E-4	S	TP151	B-3	C
IC3	G-4	C	Q20	E-3	S	TP152	B-3	C
IC4	F-4	C	Q21	F-3	S	TP161	C-1	C
IC5	F-4	S	Q31	D-3	S	TP162	C-1	C
IC6	F-4	C	Q32	E-3	S	TP163	D-1	C
IC7	F-4	C	Q33	D-4	S	TP164	D-1	C
IC8	C-3	C	Q34	E-4	S	TP171	C-1	C
IC9	D-3	C	Q41	E-4	C	TP172	D-1	C
IC10	E-4	C	Q42	E-4	C	TP501	B-3	C
IC11	E-5	C	Q43	B-4	C	TP502	A-4	C
IC12	E-5	C	Q44	B-4	S	TP503	A-4	C
IC13	F-3	C	Q45	B-4	C	TP504	B-3	C
IC14	E-3	C	Q46	B-4	C	TP505	B-3	C
IC15	D-3	C	Q47	B-4	S	TP506	A-4	C
IC151	F-1	S	Q48	B-4	C	TP507	B-4	C
IC152	F-2	C	Q151	D-1	C			
IC153	B-2	S	Q152	C-1	C	X1	A-4	C
IC154	B-1	S	Q153	C-1	C			
IC155	E-2	S	Q154	F-1	C	** C; COMPONENT SIDE		
IC156	E-1	S	Q155	F-1	C	** S; SOLDERING SIDE		
IC157	D-1	C	Q156	D-1	C			
IC158	D-1	C	Q157	A-1	S			
IC159	D-2	C	Q501	A-1	S			
IC160	F-1	S						
IC501	B-1	C	RV2	G-3	C			
IC502	A-1	C	RV3	G-2	C			
IC503	A-1	C	RV4	F-3	C			
IC504	A-1	C	RV5	C-2	C			
IC505	A-2	C	RV6	C-2	C			
IC506	A-3	C	RV151	D-2	C			
IC507	A-2	C	RV152	D-2	C			
IC508	A-2	S	RV501	A-1	C			
IC509	A-2	C	RV502	B-3	C			





CEC-3/P - COMPONENT SIDE-
 1-622-867-15(1)
 BVW-35
 BVW-35P



CEC-3/P - SOLDERING SIDE-
 1-622-867-15(1)
 BVW-35
 BVW-35P

CF-29, CL-15, CL-16, DL-14

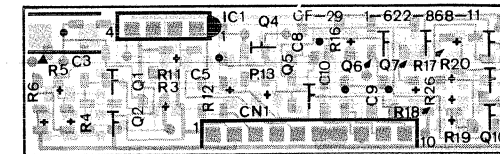
CF-29, CL-15, CL-16, DL-14

CF-29 ; COMB FILTER

CL-15 ; CLAMPER FOR DL-15 OUT SIGNALS

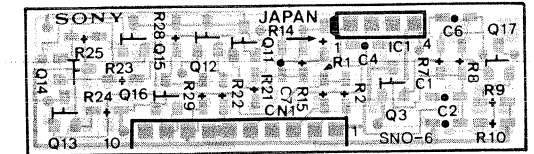
CL-16 ; CLAMPER FOR DL-15 IN SIGNALS

DL-14 ; 1H DELAY LINE



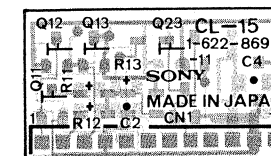
CF-29 —COMPONENT SIDE—

1-622-868-11(I)
BVW-35
BVW-35P



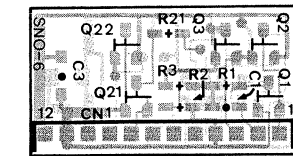
CF-29 —SOLDERING SIDE—

1-622-868-11(I)
BVW-35
BVW-35P



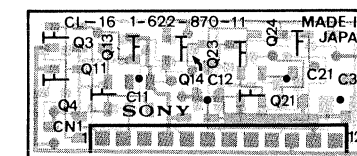
CL-15 —COMPONENT SIDE—

1-622-869-11(I)
BVW-35
BVW-35P



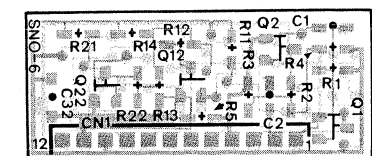
CL-15 —SOLDERING SIDE—

1-622-869-11(I)
BVW-35
BVW-35P



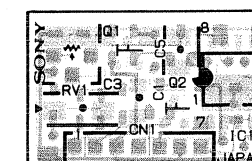
CL-16 —COMPONENT SIDE—

1-622-870-11(I)
BVW-35
BVW-35P



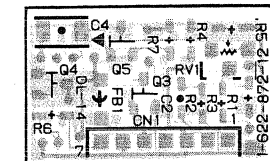
CL-16 —SOLDERING SIDE—

1-622-870-11(I)
BVW-35
BVW-35P



DL-14 —COMPONENT SIDE—

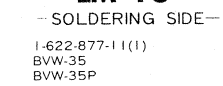
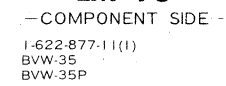
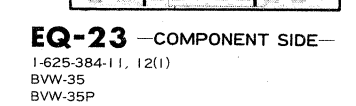
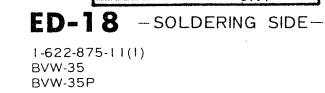
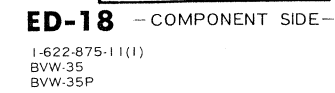
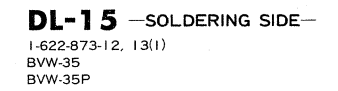
1-622-872-12(I)
BVW-35
BVW-35P

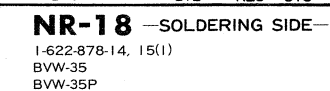
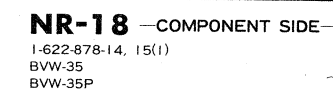
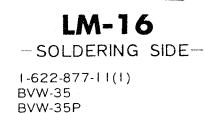
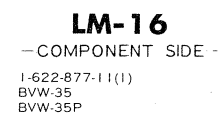
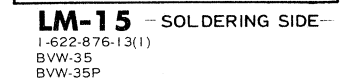
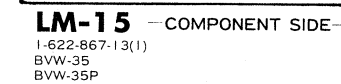
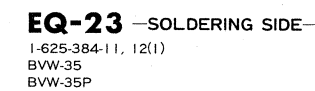
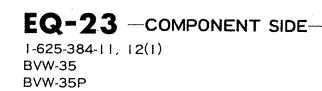
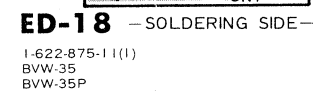
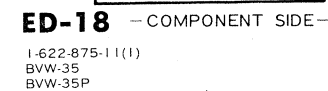
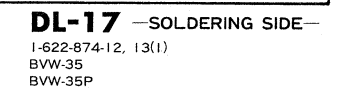
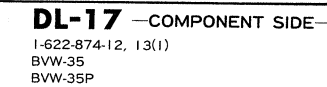
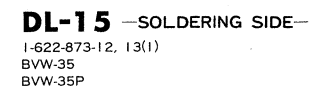
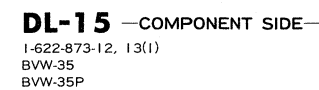


DL-14 —SOLDERING SIDE—

1-622-872-12(I)
BVW-35
BVW-35P

NR-18; NOISE CANCELLER FOR PB CTDM SIGNAL



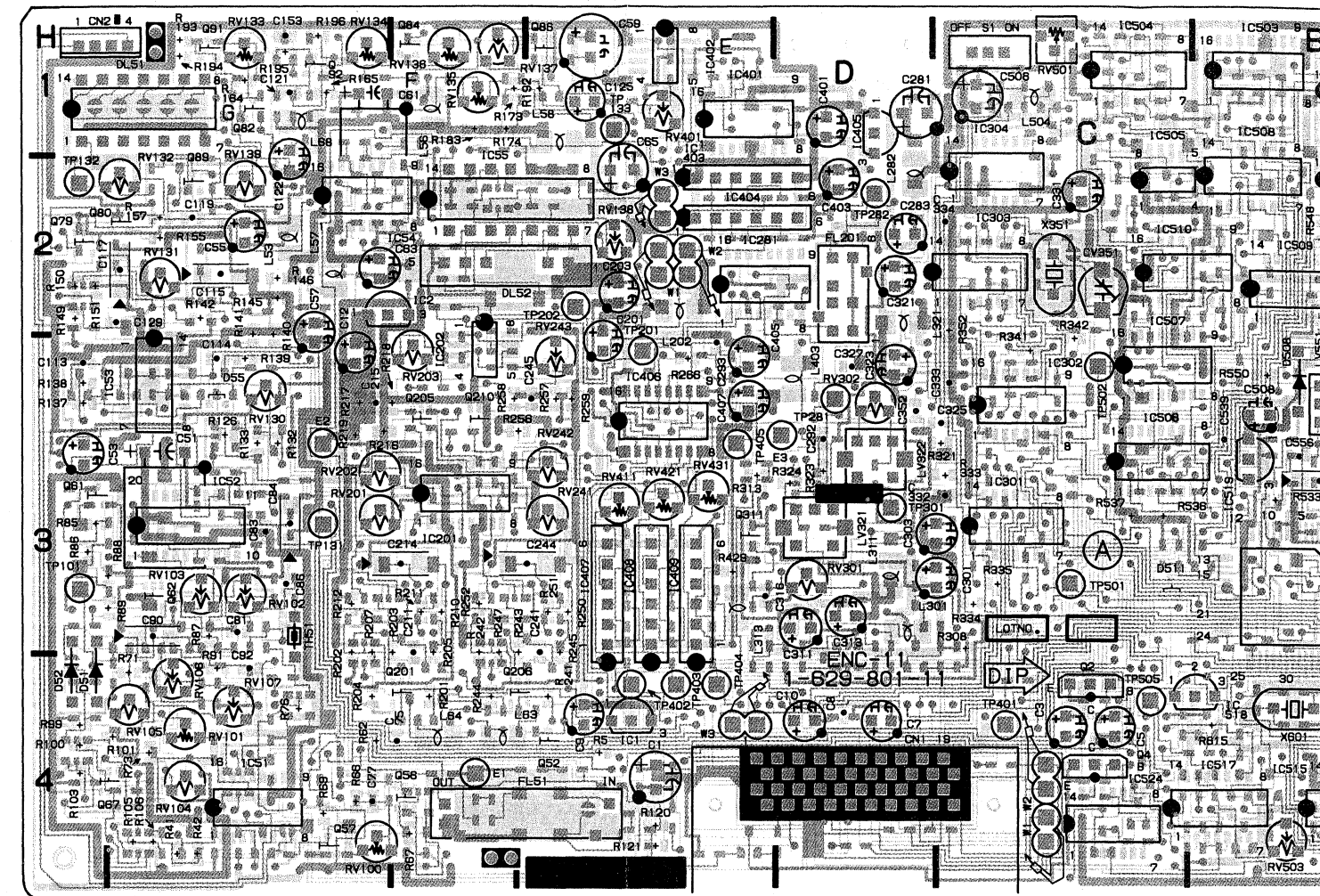


ENC-11P; VIDEO ENCODER/Y PROCESSOR

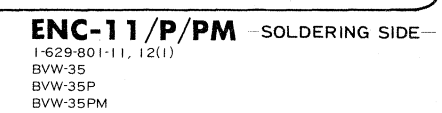
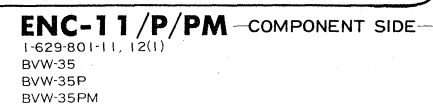
ENC-11P(1-629-801-11,12)

CN1	D-4	C	IC407	E-3	C	Q84	F-1	C	RV243	E-2	C
CN2	H-1	C	IC408	E-3	C	Q85	F-1	S	RV301	D-3	C
			IC409	E-3	C	Q86	E-1	C	RV302	D-3	C
CV351	C-2	C	IC501	B-1	C	Q87	E-1	S	RV401	E-1	C
			IC502	B-2	C	Q88	F-2	S	RV411	E-3	C
D1	C-4	C	IC503	B-1	C	Q89	G-2	C	RV421	E-3	C
D53	G-3	S	IC504	C-1	C	Q90	G-1	S	RV431	E-3	C
D54	B-3	S	IC505	C-1	C	Q91	G-1	C	RV501	C-1	C
D55	G-3	C	IC506	C-3	C	Q92	G-1	C	RV502	A-3	C
D301	D-4	S	IC507	C-2	C	Q201	F-4	C	RV503	B-4	C
D331	C-3	S	IC508	B-1	C	Q202	G-4	S	RV504	A-4	C
D501	B-2	S	IC509	B-2	C	Q203	F-4	S			
D502	C-1	S	IC510	C-2	C	Q204	G-3	S	S1	C-1	C
D503	C-2	S	IC511	A-3	C	Q205	F-3	C	TH51	G-3	C
D504	C-1	S	IC512	A-3	C	Q206	F-4	C			
D505	C-1	S	IC513	B-2	C	Q207	F-3	S			
D506	A-2	S	IC514	A-2	C	Q208	E-4	S	TP101	H-3	C
D507	B-2	S	IC515	B-4	C	Q209	F-3	S	TP131	G-3	C
D508	B-3	C	IC516	A-4	C	Q210	F-3	C	TP132	H-2	C
D509	B-4	S	IC517	B-4	C	Q281	D-2	S	TP133	E-1	C
D510	B-4	S	IC518	B-4	C	Q301	D-4	S	TP201	E-2	C
D511	C-3	C	IC519	B-3	C	Q302	D-3	S	TP202	E-2	C
D512	B-3	C	IC520	B-3	C	Q311	E-3	C	TP281	D-3	C
D513	A-3	S	IC521	A-3	C	Q321	D-3	S	TP282	D-2	C
D514	A-3	S	IC522	B-4	C	Q332	C-3	S	TP301	D-3	C
D515	C-4	S	IC523	A-4	S	Q501	C-1	S	TP401	C-4	C
			IC524	C-4	C	Q502	C-3	S	TP402	E-4	C
DL51	G-1	C				Q503	B-3	S	TP403	E-4	C
DL52	F-2	C	LV321	D-3	C	Q504	C-1	S	TP404	E-4	C
			LV322	D-3	C	Q511	A-3	S	TP405	E-3	C
			LV551	B-3	C	Q512	A-3	S	TP501	C-3	C
E1	F-4	C				Q513	A-2	S	TP502	C-3	C
E2	G-3	C				Q514	B-3	S	TP503	B-3	C
E3	D-3	C	Q1	C-4	S	Q515	B-3	S	TP504	B-3	C
E4	B-3	C	Q2	C-4	C	Q516	A-3	S	TP505	C-4	C
			Q4	C-4	C	Q517	A-3	S	TP506	B-4	C
FL51	E-4	C	Q51	E-4	S	Q521	B-4	S			
FL201	D-2	C	Q52	E-4	C	Q522	B-4	S	X351	C-2	C
			Q53	F-4	C				X601	B-4	C
			Q54	F-4	C						
IC1	E-4	C	Q55	F-4	S	RV100	G-4	C			
IC2	F-2	C	Q56	F-4	C	RV101	G-4	C			
IC51	G-4	C	Q57	G-4	C	RV102	G-3	C			
IC52	G-3	C	Q58	G-4	S	RV103	G-3	C			
IC53	H-3	C	Q59	G-4	S	RV104	G-4	C			
IC54	F-2	C	Q60	H-4	S	RV130	G-3	C			
IC55	F-2	C	Q61	H-3	C	RV131	G-2	C			
IC201	F-3	C	Q71	G-4	S	RV132	G-2	C			
IC202	F-3	C	Q72	G-3	S	RV133	G-1	C			
IC203	E-3	S	Q73	G-3	S	RV134	G-1	C			
IC281	E-2	C	Q74	G-3	S	RV135	F-1	C			
IC301	C-3	C	Q75	G-3	S	RV136	F-1	C			
IC302	C-3	C	Q76	H-3	S	RV137	E-1	C			
IC303	C-2	C	Q77	G-2	S	RV138	E-2	C			
IC304	C-1	C	Q78	H-2	S	RV139	G-2	C			
IC401	E-1	C	Q79	H-2	C	RV201	G-3	C			
IC402	E-1	C	Q80	H-2	C	RV202	G-3	C			
IC403	E-2	C	Q81	G-2	S	RV203	F-3	C			
IC404	E-2	C	Q82	G-1	C	RV241	E-3	C			
IC405	D-1	C	Q83	G-1	S	RV242	E-3	C			
IC406	E-3	C									

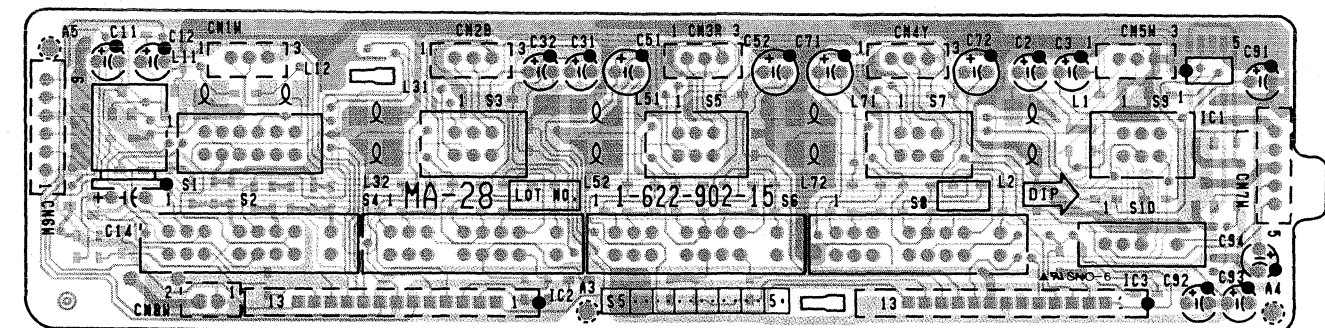
** C; COMPONENT SIDE
 ** S; SOLDERING SIDE



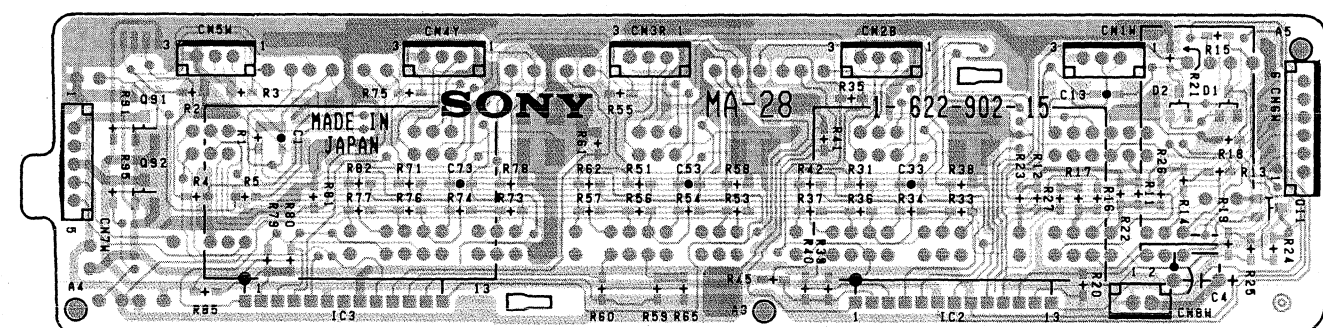
ENC-11P
 1-629-801-11, 12
 BVW-35
 BVW-35P
 BVW-35PM



MA-28; MIC AMPLIFIER



MA-28 - SOLDERING SIDE
1-622-902-15(1)
BVW-35
BVW-35P

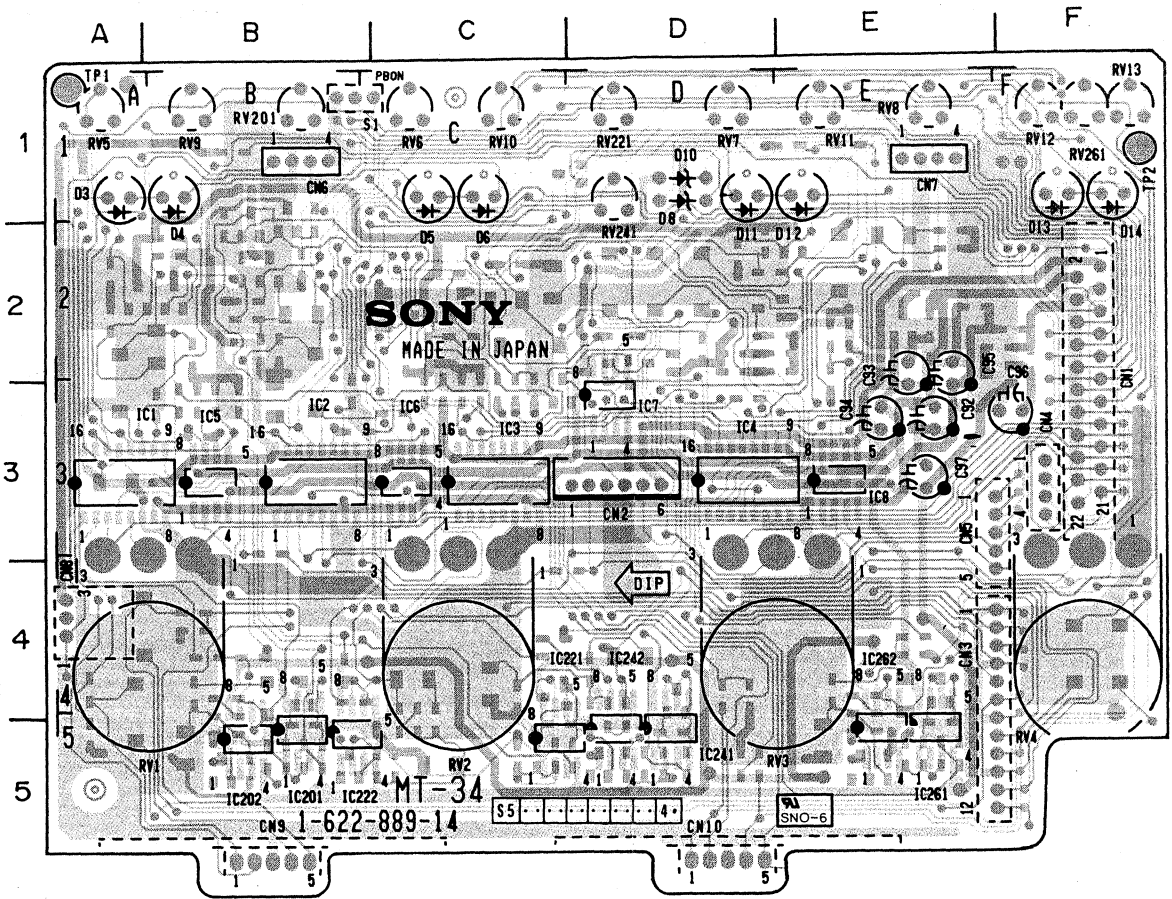


MA-28 - COMPONENT SIDE
1-622-902-15(1)
BVW-35
BVW-35P

MT-34 ; METER DRIVE/AUDIO LEVEL
VR-64 ; PB LEVEL

MT-34 (1-622-889-14)

CN1	F-2	C	RV1	A-4	C
CN2	D-3	C	RV2	C-4	C
CN3	E-4	C	RV3	E-4	C
CN4	F-3	C	RV4	F-4	C
CN5	E-3	C	RV5	A-1	C
CN6	B-1	C	RV6	C-1	C
CN7	E-1	C	RV7	D-1	C
CN8	A-4	C	RV8	E-1	C
CN9	B-5	C	RV9	B-1	C
CN10	D-5	C	RV10	C-1	C
			RV11	E-1	C
D1	B-2	S	RV12	F-1	C
D2	C-2	S	RV13	F-1	C
D3	A-1	C	RV201	B-1	C
D4	B-1	C	RV221	D-1	C
D5	C-1	C	RV241	D-1	C
D6	C-1	C	RV261	F-1	C
D7	C-1	S			
D8	D-1	C	S1	B-1	C
D9	C-3	S			
D10	D-1	C	** C; COMPONENT SIDE		
D11	D-1	C	** S; SOLDERING SIDE		
D12	E-1	C			
D13	F-1	C			
D14	F-1	C			
D201	B-4	S			
D202	B-5	S			
D221	C-4	S			
D222	B-5	S			
D241	D-4	S			
D242	D-5	S			
D261	E-4	S			
D262	E-5	S			
D301	B-1	S			
IC1	A-3	C			
IC2	B-3	C			
IC3	C-3	C			
IC4	D-3	C			
IC5	B-3	C			
IC6	C-3	C			
IC7	D-3	C			
IC8	E-3	C			
IC201	B-5	C			
IC202	B-5	C			
IC221	C-5	C			
IC222	B-5	C			
IC241	D-5	C			
IC242	D-5	C			
IC261	E-5	C			
IC262	E-5	C			
Q1	B-2	S			
Q2	B-2	S			
Q3	C-2	S			
Q4	E-2	S			
Q5	E-2	S			
Q6	F-3	S			
Q301	B-1	S			
Q302	D-2	S			
Q303	D-2	S			



MT-34 - COMPONENT SIDE -
1-622-889-14(1)
BVW-35
BVW-35P



VR-64 - COMPONENT SIDE -
1-623-217-12(1)
BVW-35
BVW-35P

VR-64 : PB LEVEL

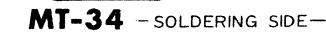
COMPONENT SIDE
MOLDING SIDE



1-622-889-14(1)
BVW-35
BVW-35P



1-623-217-12(1)
BVW-35
BVW-35P



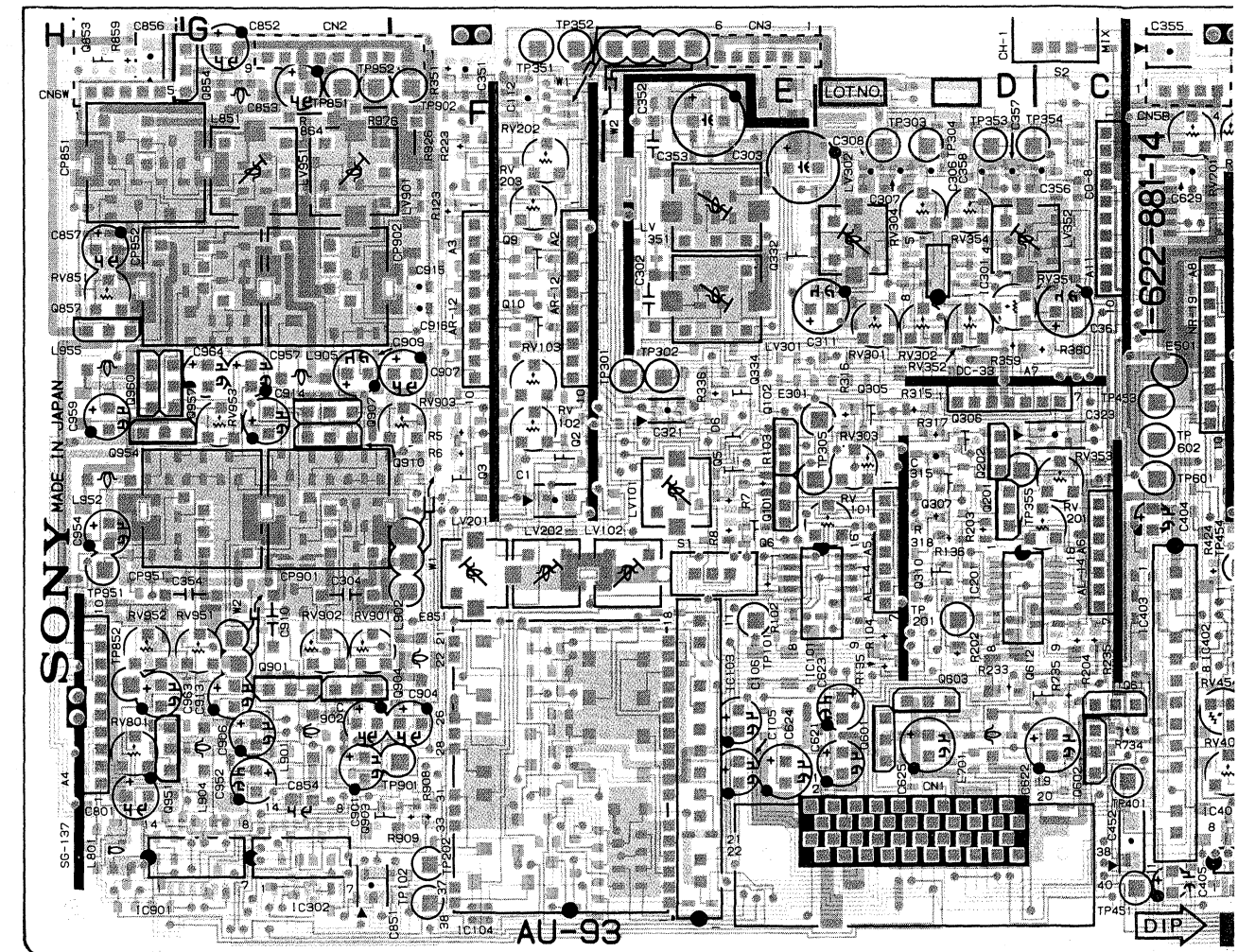
1-622-889-14(1)
BVW-35
BVW-35P

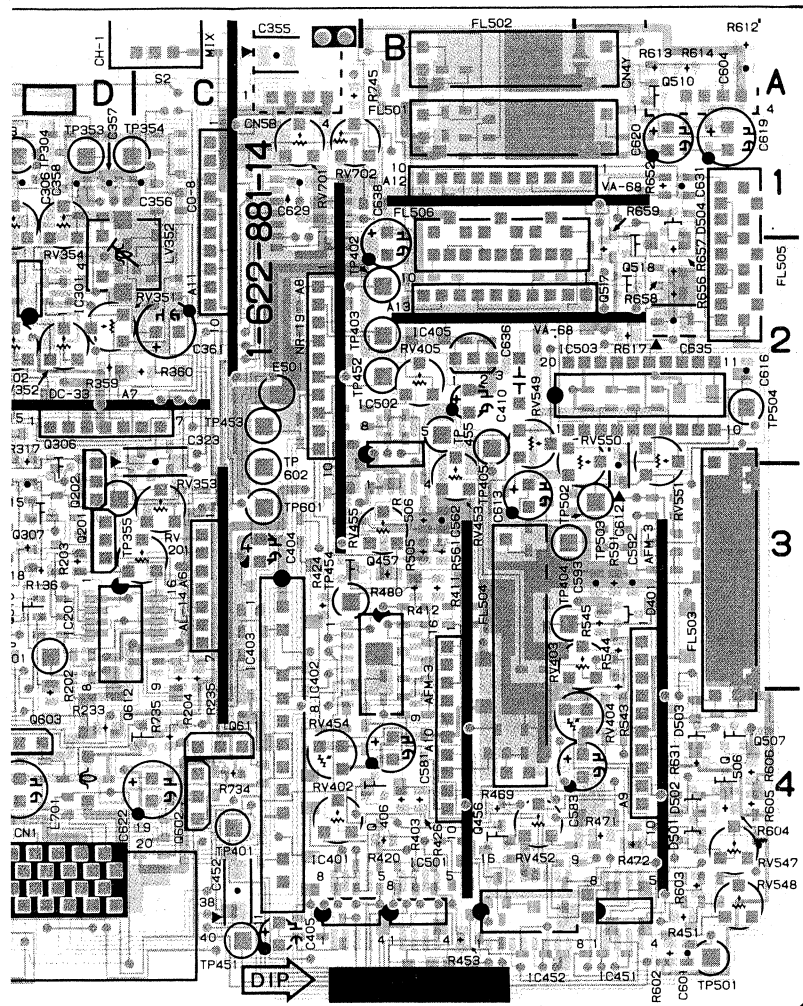
AU-93P; AUDIO REC/PB AMPLIFIER

AU-93P(1-622-881-14)

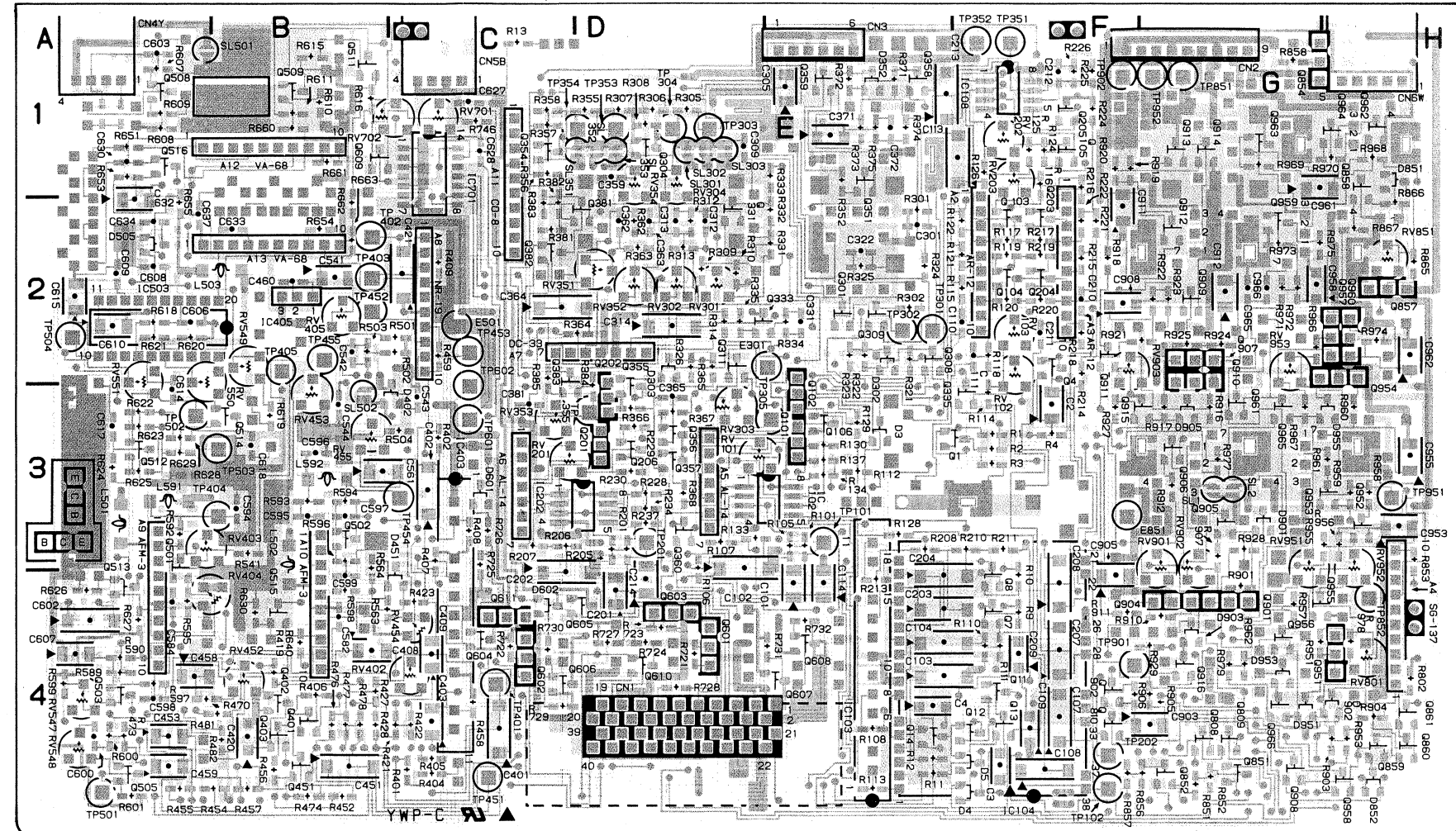
CN1	D-4	C	IC302	G-4	C	Q331	D-2	S	Q857	H-2	C	RV455	B-3	C
CN2	G-1	C	IC401	C-4	C	Q332	E-2	C	Q858	H-1	S	RV547	A-4	C
CN3	E-1	C	IC402	B-3	C	Q333	E-2	S	Q859	H-4	S	RV548	A-4	C
CN4	A-1	C	IC403	C-3	C	Q334	E-2	C	Q860	H-4	S	RV549	B-2	C
CN5	C-1	C	IC405	B-2	C	Q335	F-3	S	Q861	H-4	S	RV550	A-2	C
CN6	H-1	C	IC451	A-4	C	Q351	E-1	S	Q901	G-4	C	RV551	A-3	C
			IC452	B-4	C	Q354	C-1	S	Q902	F-4	S	RV701	C-1	C
CP851	H-1	C	IC501	B-4	C	Q355	D-3	S	Q903	G-4	C	RV702	C-1	C
CP901	G-3	C	IC502	B-2	C	Q356	D-3	S	Q904	G-4	C	RV801	H-4	C
CP902	G-2	C	IC503	A-2	C	Q357	D-3	S	Q905	G-3	S	RV851	H-2	C
CP951	G-3	C	IC701	C-1	S	Q358	E-1	S	Q906	G-3	S	RV901	G-3	C
CP952	G-2	C	IC901	G-4	C	Q359	E-1	S	Q907	G-2	C	RV902	G-3	C
						Q360	D-3	S	Q908	G-4	S	RV903	F-2	C
D3	E-3	S	LV101	E-3	C	Q381	D-2	S	Q909	G-2	S	RV951	G-3	C
D4	F-4	S	LV102	E-3	C	Q382	C-2	S	Q910	G-3	C	RV952	H-3	C
D5	F-4	S	LV201	F-3	C	Q383	C-2	S	Q911	F-2	S	RV953	G-2	C
D6	E-2	C	LV202	F-3	C	Q401	B-4	S	Q912	G-2	S			
D302	E-2	S	LV301	E-2	C	Q402	B-4	S	Q913	G-1	S	S1	E-3	C
D303	D-2	S	LV302	D-2	C	Q403	B-4	S	Q914	G-1	S	S2	C-1	C
D352	E-1	S	LV351	E-1	C	Q406	B-4	C	Q915	G-3	S	TP101	E-3	C
D401	A-3	C	LV352	C-2	C	Q451	B-4	S	Q916	G-4	S	TP102	F-4	C
D402	C-3	S	LV901	G-1	C	Q456	B-4	C	Q951	H-4	C	TP201	D-3	C
D451	C-3	S	LV951	G-1	C	Q457	C-3	C	Q952	H-3	S	TP202	F-4	C
D501	A-4	C				Q501	A-3	S	Q953	H-3	S	TP301	E-2	C
D502	A-4	C	Q1	E-3	S	Q502	B-3	S	Q954	H-3	C	TP302	E-2	C
D503	A-4	C	Q2	F-3	C	Q503	A-4	S	Q955	H-4	S	TP303	D-1	C
D504	A-1	C	Q3	F-3	C	Q505	A-4	S	Q956	G-4	S	TP304	D-1	C
D505	A-2	S	Q4	F-2	S	Q506	A-4	C	Q957	H-2	C	TP305	D-3	C
D601	C-3	S	Q5	E-3	C	Q507	A-4	C	Q958	H-4	S	TP351	F-1	C
D602	C-4	S	Q6	E-3	C	Q508	A-1	S	Q959	G-2	S	TP352	F-1	C
D851	H-1	S	Q7	F-4	S	Q509	B-1	S	Q960	H-2	C	TP353	D-1	C
D852	H-4	S	Q8	F-4	S	Q510	A-1	C	Q961	G-3	S	TP354	C-1	C
D901	G-3	S	Q9	F-2	C	Q511	B-1	S	Q962	H-1	S	TP355	D-3	C
D902	H-4	S	Q10	F-2	C	Q512	A-3	S	Q963	G-1	S	TP401	C-4	C
D903	G-4	S	Q11	F-4	S	Q513	A-4	S	Q964	H-1	S	TP402	B-2	C
D905	G-3	S	Q12	F-4	S	Q514	B-3	S	Q965	G-3	S	TP403	B-2	C
D951	G-4	S	Q13	F-4	S	Q515	B-4	S	Q966	G-4	S	TP404	B-3	C
D953	G-4	S	Q14	E-4	S	Q516	A-1	S				TP405	B-2	C
D955	G-3	S	Q101	E-3	C	Q517	A-2	C	RV101	D-3	C	TP451	C-4	C
			Q102	E-3	C	Q518	A-2	C	RV102	F-2	C	TP452	B-2	C
E301	E-2	C	Q103	F-2	S	Q601	D-4	C	RV103	F-2	C	TP453	C-2	C
E501	C-2	C	Q104	F-2	S	Q602	C-4	C	RV201	C-3	C	TP454	C-3	C
E851	F-3	C	Q105	F-1	S	Q603	D-4	C	RV202	F-1	C	TP455	B-2	C
			Q106	E-3	S	Q604	C-4	S	RV203	F-1	C	TP501	A-4	C
FL501	B-1	C	Q201	D-3	C	Q605	D-4	S	RV301	D-2	C	TP502	A-3	C
FL502	B-1	C	Q202	D-3	C	Q606	C-4	S	RV302	D-2	C	TP503	B-3	C
FL503	A-3	C	Q203	F-2	S	Q607	E-4	S	RV303	D-3	C	TP504	A-2	C
FL504	B-3	C	Q204	F-2	S	Q608	E-4	S	RV304	D-1	C	TP601	C-3	C
FL505	A-2	C	Q205	F-1	S	Q609	B-1	S	RV351	C-2	C	TP602	C-3	C
FL506	B-1	C	Q206	D-3	S	Q610	D-4	S	RV352	D-2	C	TP851	G-1	C
			Q301	E-2	S	Q611	C-4	C	RV353	C-3	C	TP852	H-4	C
IC101	E-3	C	Q304	D-1	S	Q612	C-4	C	RV354	D-1	C	TP901	F-4	C
IC102	E-3	S	Q305	D-2	C	Q808	G-4	S	RV402	C-4	C	TP902	F-1	C
IC103	E-4	C	Q306	D-2	C	Q809	G-4	S	RV403	A-3	C	TP951	H-3	C
IC104	F-4	C	Q307	D-3	C	Q810	F-4	S	RV404	A-4	C	TP952	G-1	C
IC108	F-1	S	Q308	E-2	S	Q851	G-4	S	RV405	B-2	C			
IC201	D-3	C	Q309	E-2	S	Q852	G-4	S	RV452	B-4	C			
IC202	D-3	S	Q310	D-3	C	Q853	H-1	C	RV453	B-3	C			
IC301	D-2	C	Q311	D-2	S	Q854	H-1	C	RV454	C-4	C			

*-C: COMPONENT SIDE
*-S: SOLDERING SIDE





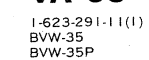
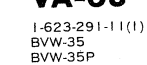
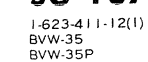
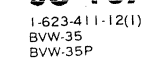
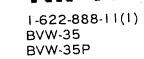
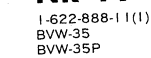
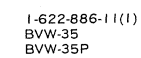
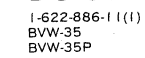
AU-93/P — COMPONENT SIDE —
 1-622-881-14(1)
 BVW-35
 BVW-35P



AU-93/P — SOLDERING SIDE —
 1-622-881-14(1)
 BVW-35
 BVW-35P

DC-33, NR-19, SG-137, VA-68

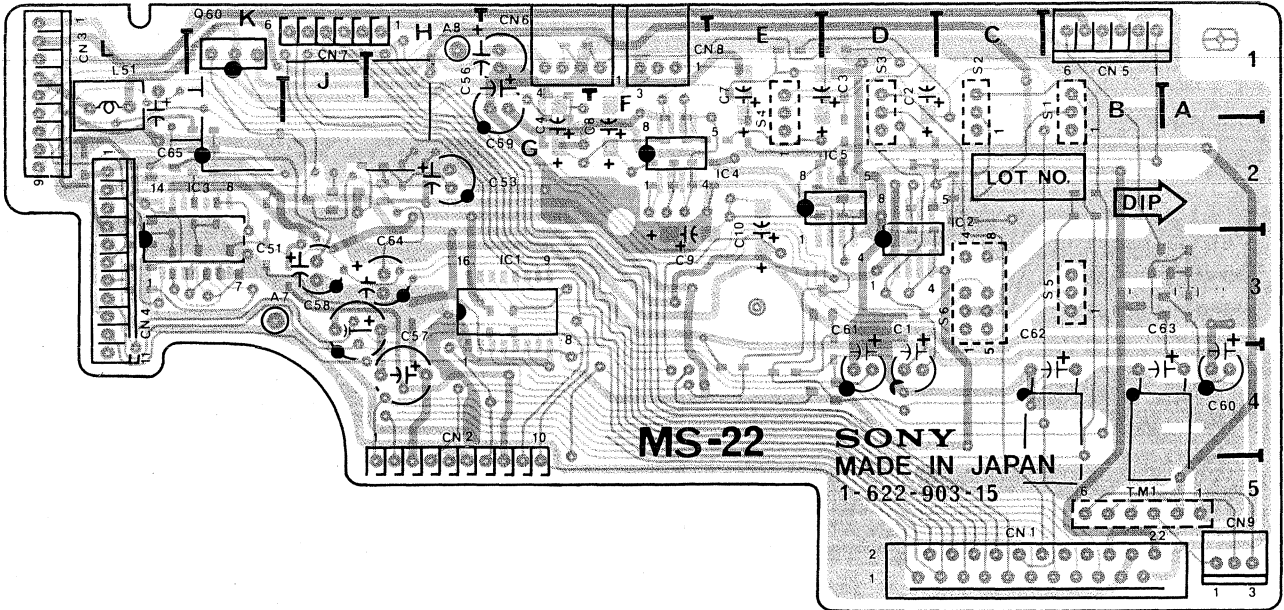
VA-68 ; AGC



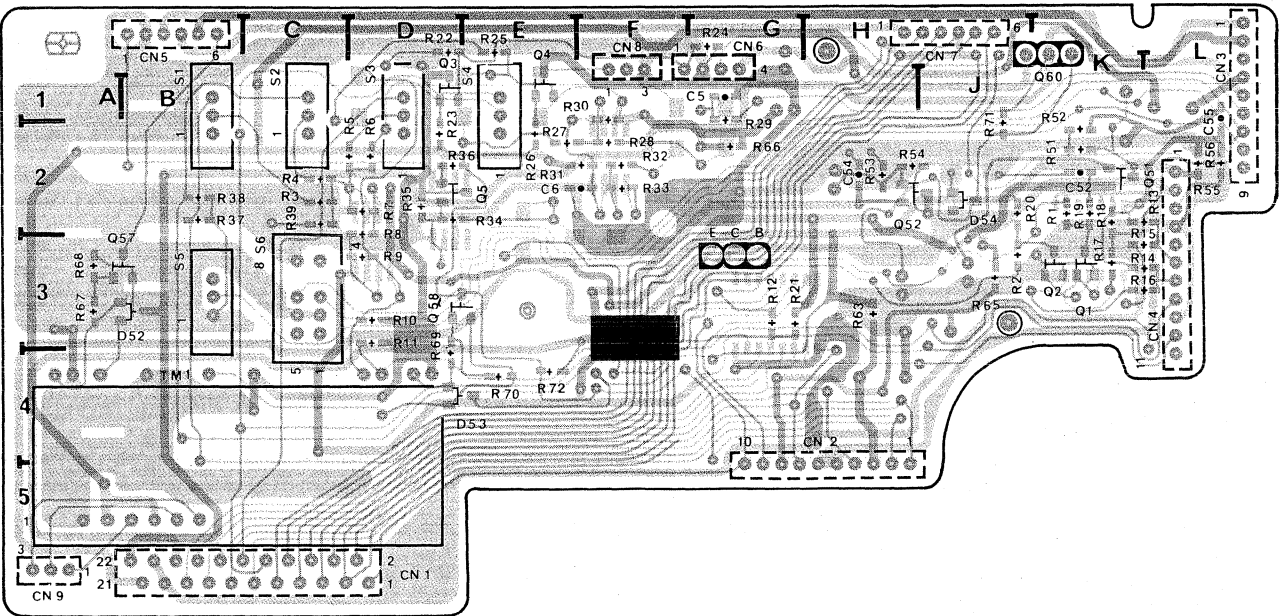
MS-22 ; MONITOR AMPLIFIER/MONITOR SELECTOR

MS-22 (1-622-903-15)

CN1	C-5	C
CN2	H-4	C
CN3	L-1	C
CN4	L-3	C
CN5	B-1	C
CN6	G-1	C
CN7	J-1	C
CN8	F-1	C
CN9	A-5	C
D52	B-3	S
D53	D-4	S
D54	J-2	S
IC1	G-3	C
IC2	D-3	C
IC3	K-2	C
IC4	F-2	C
IC5	D-2	C
Q1	K-3	S
Q2	K-3	S
Q3	D-1	S
Q4	E-1	S
Q5	D-2	S
Q51	K-2	S
Q52	H-2	S
Q57	B-3	S
Q58	D-3	S
Q60	K-1	C
S1	B-1	C
S2	C-1	C
S3	D-1	C
S4	E-1	C
S5	B-3	C
S6	C-3	C
TM1	B-5	C

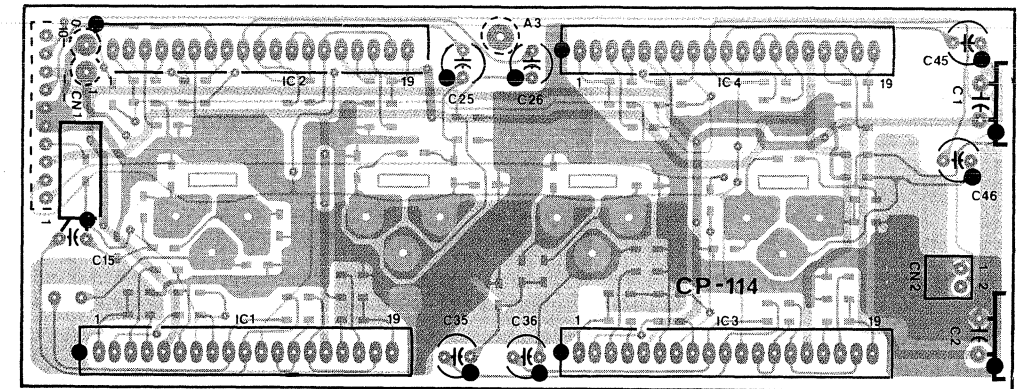


MS-22 — COMPONENT SIDE—
1-622-903-15(1)
BVW-35
BVW-35P

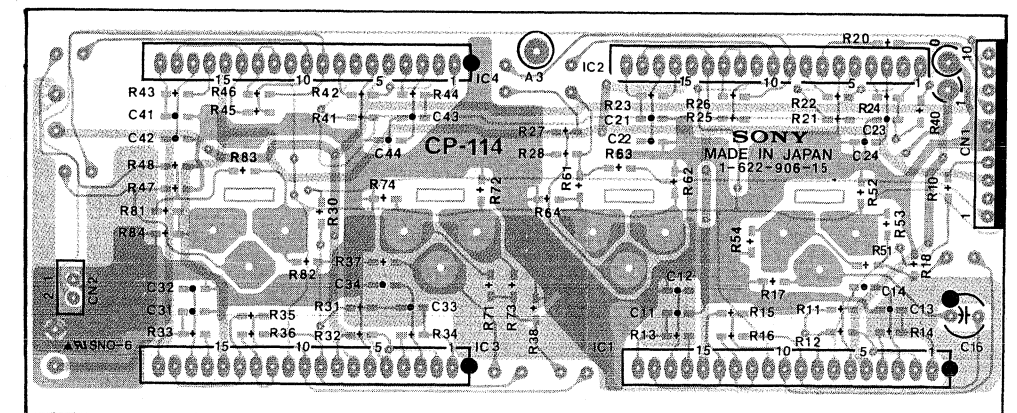


MS-22 — SOLDERING SIDE—
1-622-903-15(1)
BVW-35
BVW-35P

CP-114; XLR OUT AMPLIFIER



CP-114/A —COMPONENT SIDE—
 I-622-906-15(1)
 BVW-35
 BVW-35P

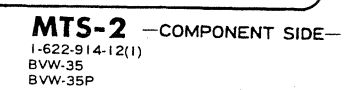
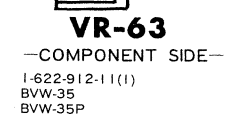
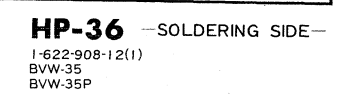
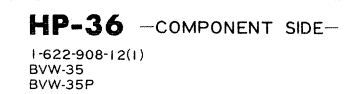


CP-114/A —SOLDERING SIDE—
 I-622-906-15(1)
 BVW-35
 BVW-35P

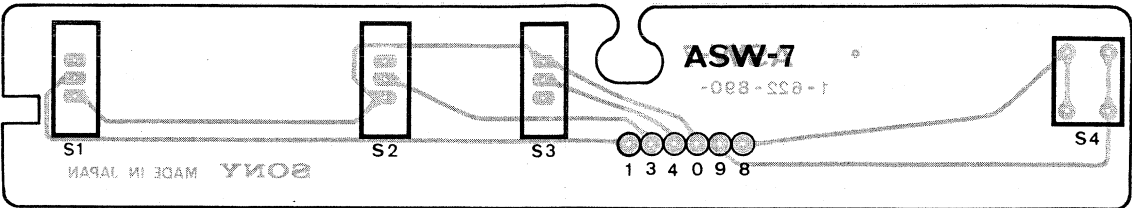
J:CP-114A
 UC:CP-114
 EK:CP-114

HP-36, VR-63, MTS-2

MTS-2 ; CH-4/MONITOR SWITCH



ASW-7 ; AUDIO FRONT SWITCH

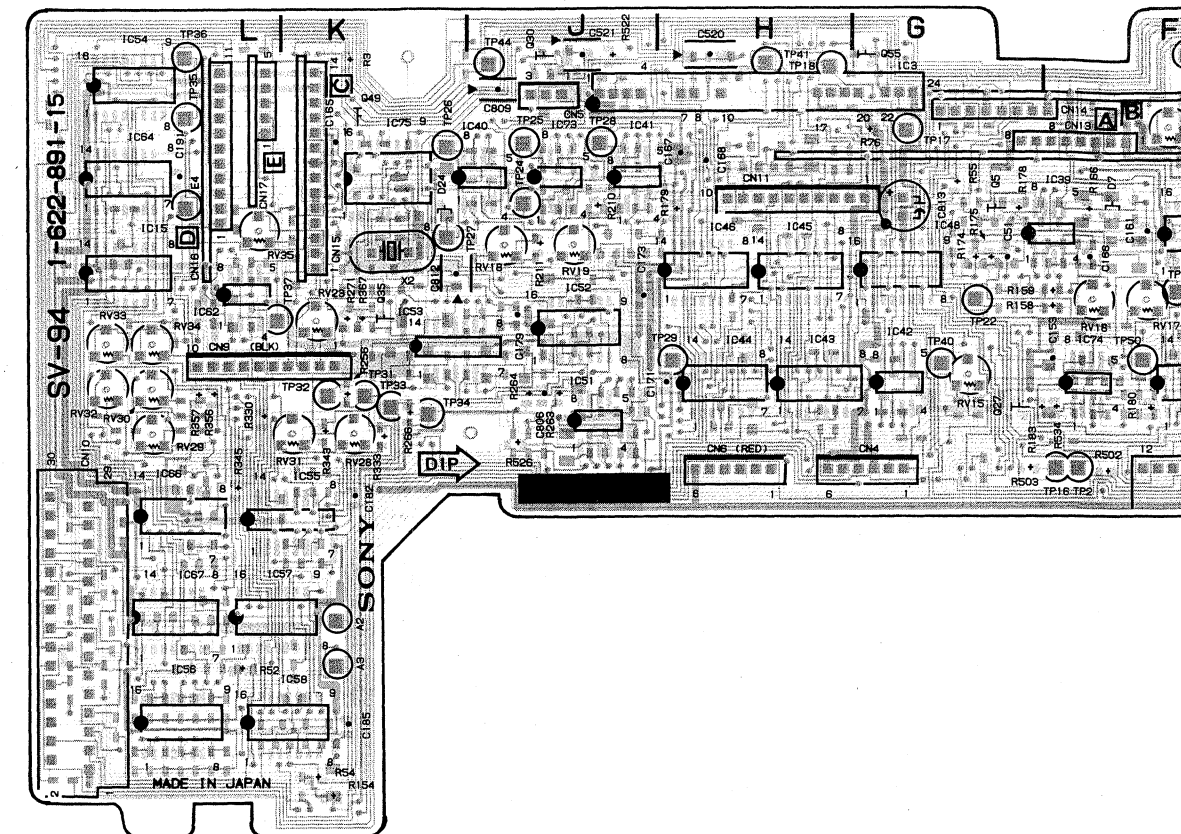


ASW-7 —COMPONENT SIDE—
1-622-890-13(1)
BVW-35
BVW-35P

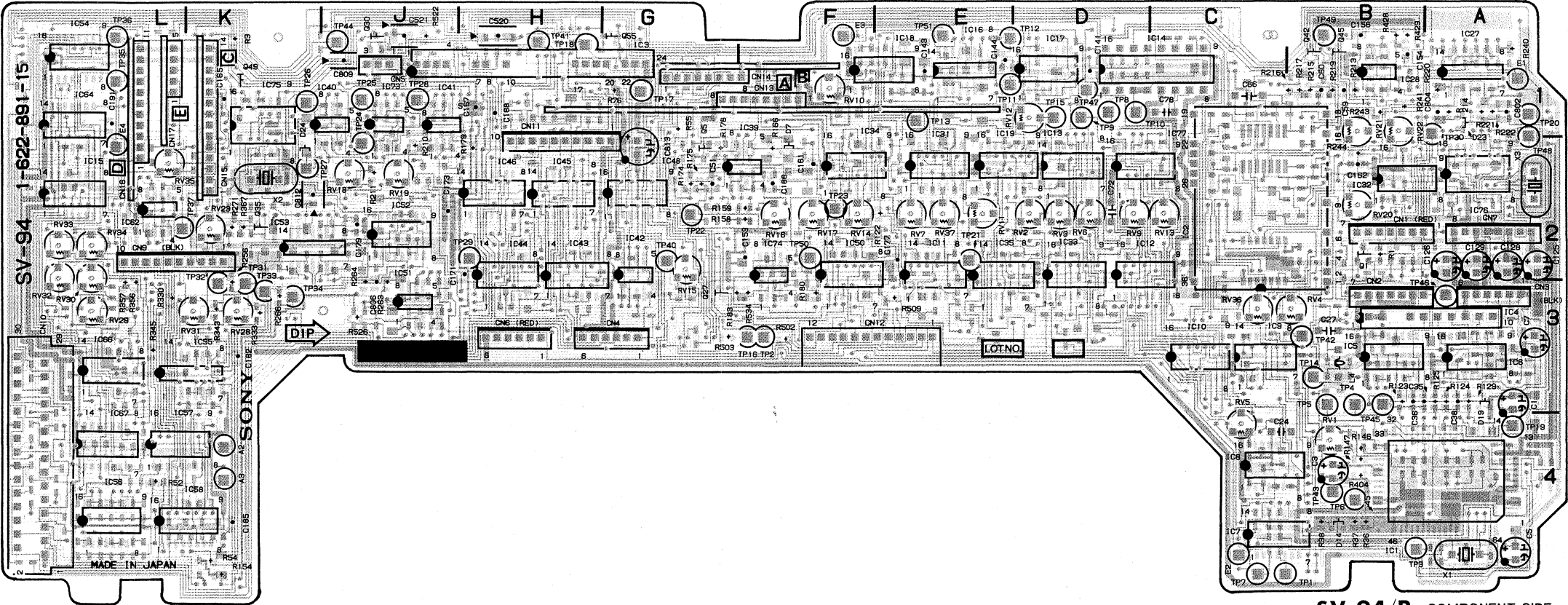
SV-94P ; SERVO SYSTEM

SV-94P(1-622-891-15)

CN1	B-2	C	IC18	E-1	C	Q29	L-4	S	TP6	B-4	C	X1	A-4	C
CN2	B-3	C	IC19	E-2	C	Q30	J-1	C	TP7	C-4	C	X2	K-2	C
CN3	A-3	C	IC27	A-1	C	Q31	B-2	S	TP8	D-1	C	X3	A-2	C
CN4	G-3	C	IC28	B-1	C	Q32	A-2	S	TP9	D-1	C	*** C; COMPONENT SIDE *** S; SOLDERING SIDE		
CN5	J-1	C	IC29	C-2	S	Q34	L-4	S	TP10	D-1	C			
CN6	H-3	C	IC31	E-2	C	Q35	K-2	C	TP11	E-1	C			
CN7	A-2	C	IC32	B-2	C	Q36	L-4	S	TP12	E-1	C			
CN9	L-2	C	IC33	D-2	C	Q39	C-1	S	TP13	E-1	C			
CN10	L-3	C	IC34	F-2	C	Q40	B-2	S	TP14	B-3	C			
CN11	H-1	C	IC35	E-2	C	Q41	H-1	S	TP15	D-1	C			
CN12	F-3	C	IC39	F-2	C	Q42	B-1	C	TP16	F-3	C			
CN13	F-1	C	IC40	J-1	C	Q43	L-2	S	TP17	G-1	C			
CN14	G-1	C	IC41	J-1	C	Q44	B-1	S	TP18	H-1	C			
CN15	K-1	C	IC42	G-2	C	Q45	B-1	C	TP19	A-4	C			
CN16	L-1	C	IC43	H-2	C	Q46	J-1	S	TP20	A-1	C			
CN17	L-1	C	IC44	H-2	C	Q47	J-1	S	TP21	E-2	C			
			IC45	H-2	C	Q48	A-4	S	TP22	G-2	C			
D3	F-2	S	IC46	H-2	C	Q49	K-1	C	TP23	F-2	C			
D4	F-2	S	IC48	G-2	C	Q50	H-3	S	TP24	J-1	C			
D5	J-1	S	IC50	F-2	C	Q55	G-1	C	TP25	J-1	C			
D6	J-2	S	IC51	J-3	C				TP26	K-1	C			
D7	F-2	C	IC52	J-2	C	RV1	B-4	C	TP27	K-2	C			
D8	G-2	S	IC53	K-2	C	RV2	D-2	C	TP28	J-1	C			
D9	D-3	S	IC54	L-1	C	RV3	D-2	C	TP29	H-2	C			
D10	C-2	S	IC55	K-3	C	RV4	B-3	C	TP30	A-1	C			
D11	E-1	S	IC56	L-4	C	RV5	C-4	C	TP31	K-3	C			
D12	D-1	S	IC57	L-4	C	RV6	D-2	C	TP32	K-3	C			
D13	E-1	S	IC58	L-4	C	RV7	E-2	C	TP33	K-3	C			
D14	B-4	C	IC62	L-2	C	RV9	D-2	C	TP34	K-3	C			
D19	A-3	C	IC64	L-1	C	RV10	F-1	C	TP35	L-1	C			
D20	F-2	S	IC66	L-3	C	RV11	E-2	C	TP36	L-1	C			
D21	H-1	S	IC67	L-4	C	RV12	D-1	C	TP37	L-2	C			
D22	E-3	S	IC73	J-1	C	RV13	C-2	C	TP40	G-2	C			
D23	A-1	C	IC74	F-2	C	RV14	F-2	C	TP41	H-1	C			
D24	K-2	C	IC75	K-1	C	RV15	G-2	C	TP42	B-3	C			
D25	H-2	S	IC76	A-2	C	RV16	F-2	C	TP43	B-4	C			
			IC77	D-2	C	RV17	F-2	C	TP44	J-1	C			
E1	A-1	C	IC78	C-2	S	RV18	J-2	C	TP45	B-3	C			
E2	C-4	C				RV19	J-2	C	TP46	A-3	C			
E3	F-1	C	Q1	B-2	C	RV20	B-2	C	TP47	D-1	C			
E4	L-2	C	Q2	A-3	S	RV21	B-1	C	TP48	A-1	C			
			Q3	G-2	S	RV22	B-1	C	TP49	B-1	C			
IC1	B-4	C	Q4	G-2	S	RV23	K-2	C	TP50	F-2	C			
IC2	C-2	C	Q5	G-2	C	RV28	K-3	C						
IC3	H-1	C	Q7	J-2	S	RV29	L-3	C						
IC4	A-3	C	Q8	J-1	S	RV30	L-3	C						
IC5	B-3	C	Q9	H-1	S	RV31	L-3	C						
IC6	A-3	C	Q11	C-3	S	RV32	L-3	C						
IC7	C-4	C	Q13	K-4	S	RV33	L-2	C						
IC8	C-4	C	Q14	L-3	S	RV34	L-2	C						
IC9	C-3	C	Q15	K-2	S	RV35	L-2	C						
IC10	C-3	C	Q16	K-2	S	RV36	C-3	C						
IC11	E-2	C	Q20	L-3	S	RV37	E-2	C						
IC12	D-2	C	Q21	K-4	S									
IC13	D-2	C	Q22	L-3	S	TP1	C-4	C						
IC14	C-1	C	Q23	L-4	S	TP2	F-3	C						
IC15	L-2	C	Q24	L-4	S	TP3	B-4	C						
IC16	E-1	C	Q27	G-3	C	TP4	B-3	C						
IC17	D-1	C	Q28	C-2	S	TP5	B-3	C						



SV-94P ; SERVO SYSTEM

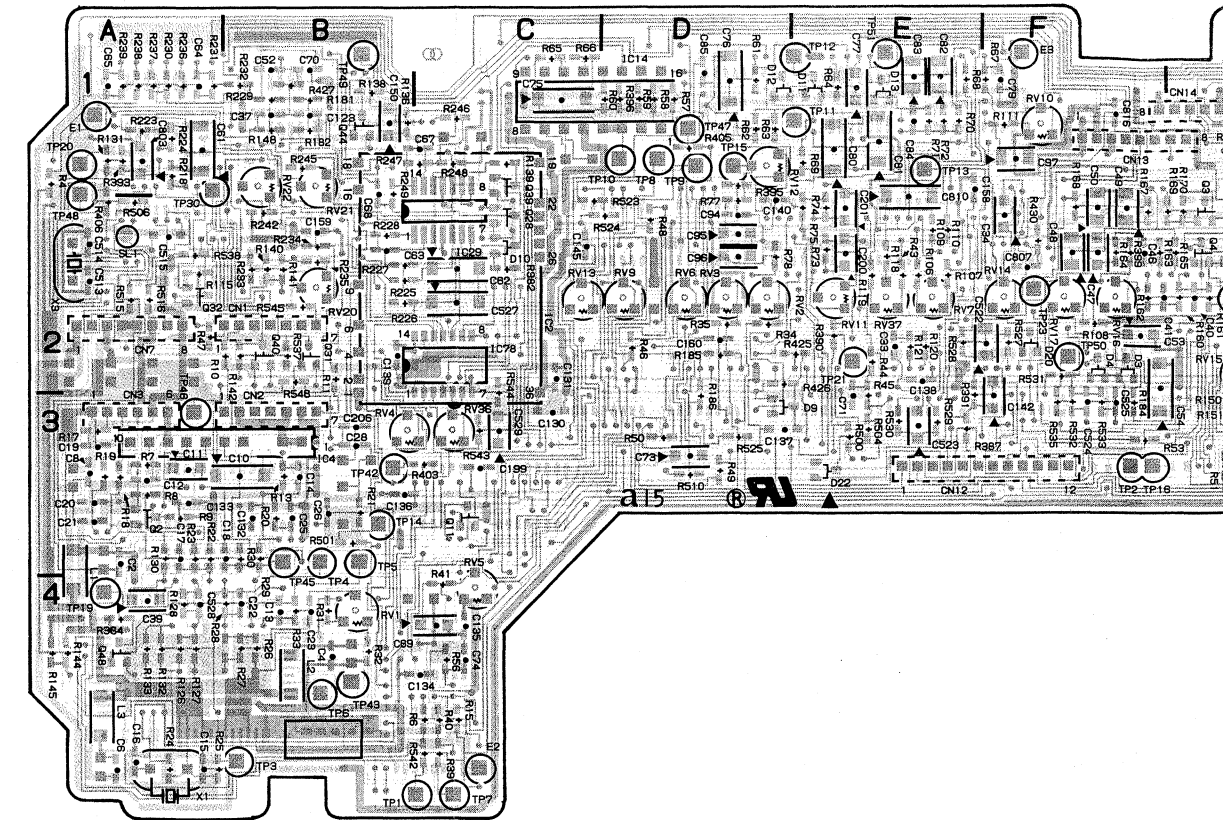


SV-94/P —COMPONENT SIDE—
I-622-891-15(I)
BVW-35
BVW-35P

SV-94P ; SERVO SYSTEM

SV-94P(1-622-891-15)

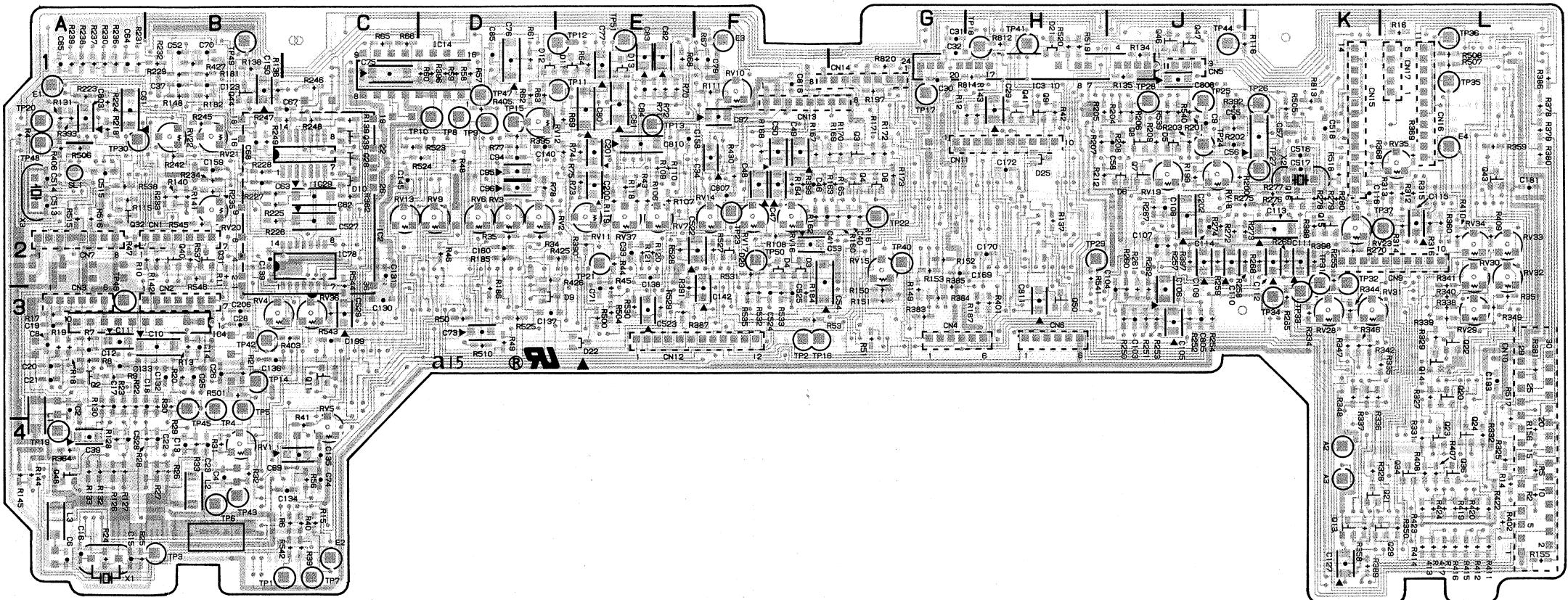
CN1	B-2	C	IC18	E-1	C	Q29	L-4	S	TP6	B-4	C	X1	A-4	C
CN2	B-3	C	IC19	E-2	C	Q30	J-1	C	TP7	C-4	C	X2	K-2	C
CN3	A-3	C	IC27	A-1	C	Q31	B-2	S	TP8	D-1	C	X3	A-2	C
CN4	G-3	C	IC28	B-1	C	Q32	A-2	S	TP9	D-1	C	** C; COMPONENT SIDE	** S; SOLDERING SIDE	
CN5	J-1	C	IC29	C-2	S	Q34	L-4	S	TP10	D-1	C			
CN6	H-3	C	IC31	E-2	C	Q35	K-2	C	TP11	E-1	C			
CN7	A-2	C	IC32	B-2	C	Q36	L-4	S	TP12	E-1	C			
CN9	L-2	C	IC33	D-2	C	Q39	C-1	S	TP13	E-1	C			
CN10	L-3	C	IC34	F-2	C	Q40	B-2	S	TP14	B-3	C			
CN11	H-1	C	IC35	E-2	C	Q41	H-1	S	TP15	D-1	C			
CN12	F-3	C	IC39	F-2	C	Q42	B-1	C	TP16	F-3	C			
CN13	F-1	C	IC40	J-1	C	Q43	L-2	S	TP17	G-1	C			
CN14	G-1	C	IC41	J-1	C	Q44	B-1	S	TP18	H-1	C			
CN15	K-1	C	IC42	G-2	C	Q45	B-1	C	TP19	A-4	C			
CN16	L-1	C	IC43	H-2	C	Q46	J-1	S	TP20	A-1	C			
CN17	L-1	C	IC44	H-2	C	Q47	J-1	S	TP21	E-2	C			
			IC45	H-2	C	Q48	A-4	S	TP22	G-2	C			
D3	F-2	S	IC46	H-2	C	Q49	K-1	C	TP23	F-2	C			
D4	F-2	S	IC48	G-2	C	Q50	H-3	S	TP24	J-1	C			
D5	J-1	S	IC50	F-2	C	Q55	G-1	C	TP25	J-1	C			
D6	J-2	S	IC51	J-3	C				TP26	K-1	C			
D7	F-2	C	IC52	J-2	C	RV1	B-4	C	TP27	K-2	C			
D8	G-2	S	IC53	K-2	C	RV2	D-2	C	TP28	J-1	C			
D9	D-3	S	IC54	L-1	C	RV3	D-2	C	TP29	H-2	C			
D10	C-2	S	IC55	K-3	C	RV4	B-3	C	TP30	A-1	C			
D11	E-1	S	IC56	L-4	C	RV5	C-4	C	TP31	K-3	C			
D12	D-1	S	IC57	L-4	C	RV6	D-2	C	TP32	K-3	C			
D13	E-1	S	IC58	L-4	C	RV7	E-2	C	TP33	K-3	C			
D14	B-4	C	IC62	L-2	C	RV9	D-2	C	TP34	K-3	C			
D19	A-3	C	IC64	L-1	C	RV10	F-1	C	TP35	L-1	C			
D20	F-2	S	IC66	L-3	C	RV11	E-2	C	TP36	L-1	C			
D21	H-1	S	IC67	L-4	C	RV12	D-1	C	TP37	L-2	C			
D22	E-3	S	IC73	J-1	C	RV13	C-2	C	TP40	G-2	C			
D23	A-1	C	IC74	F-2	C	RV14	F-2	C	TP41	H-1	C			
D24	K-2	C	IC75	K-1	C	RV15	G-2	C	TP42	B-3	C			
D25	H-2	S	IC76	A-2	C	RV16	F-2	C	TP43	B-4	C			
			IC77	D-2	C	RV17	F-2	C	TP44	J-1	C			
E1	A-1	C	IC78	C-2	S	RV18	J-2	C	TP45	B-3	C			
E2	C-4	C				RV19	J-2	C	TP46	A-3	C			
E3	F-1	C	Q1	B-2	C	RV20	B-2	C	TP47	D-1	C			
E4	L-2	C	Q2	A-3	S	RV21	B-1	C	TP48	A-1	C			
			Q3	G-2	S	RV22	B-1	C	TP49	B-1	C			
IC1	B-4	C	Q4	G-2	S	RV23	K-2	C	TP50	F-2	C			
IC2	C-2	C	Q5	G-2	C	RV28	K-3	C						
IC3	H-1	C	Q7	J-2	S	RV29	L-3	C						
IC4	A-3	C	Q8	J-1	S	RV30	L-3	C						
IC5	B-3	C	Q9	H-1	S	RV31	L-3	C						
IC6	A-3	C	Q11	C-3	S	RV32	L-3	C						
IC7	C-4	C	Q13	K-4	S	RV33	L-2	C						
IC8	C-4	C	Q14	L-3	S	RV34	L-2	C						
IC9	C-3	C	Q15	K-2	S	RV35	L-2	C						
IC10	C-3	C	Q16	K-2	S	RV36	C-3	C						
IC11	E-2	C	Q20	L-3	S	RV37	E-2	C						
IC12	D-2	C	Q21	K-4	S									
IC13	D-2	C	Q22	L-3	S	TP1	C-4	C						
IC14	C-1	C	Q23	L-4	S	TP2	F-3	C						
IC15	L-2	C	Q24	L-4	S	TP3	B-4	C						
IC16	E-1	C	Q27	G-3	C	TP4	B-3	C						
IC17	D-1	C	Q28	C-2	S	TP5	B-3	C						



SV-94P ; SERVO SYSTEM

C
C
C

INTERNAL SIDE
RING SIDE

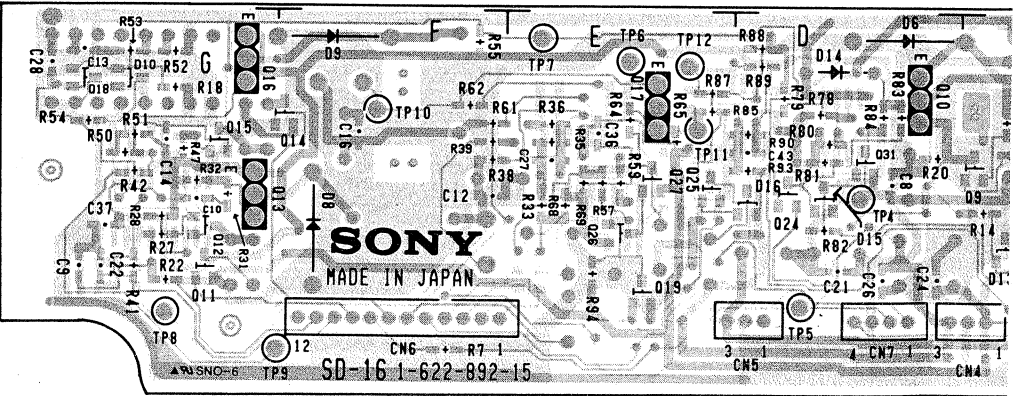
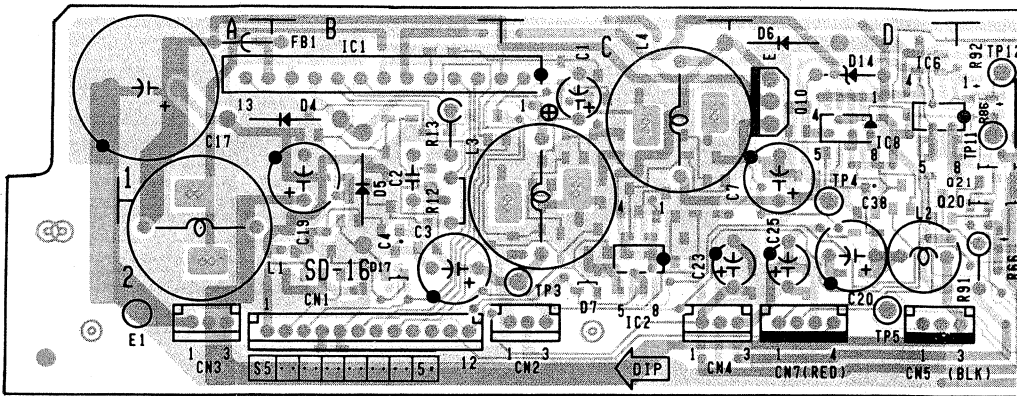


SV-94/P --SOLDERING SIDE--
1-622-891-15(1)
BVW-35
BVW-35P

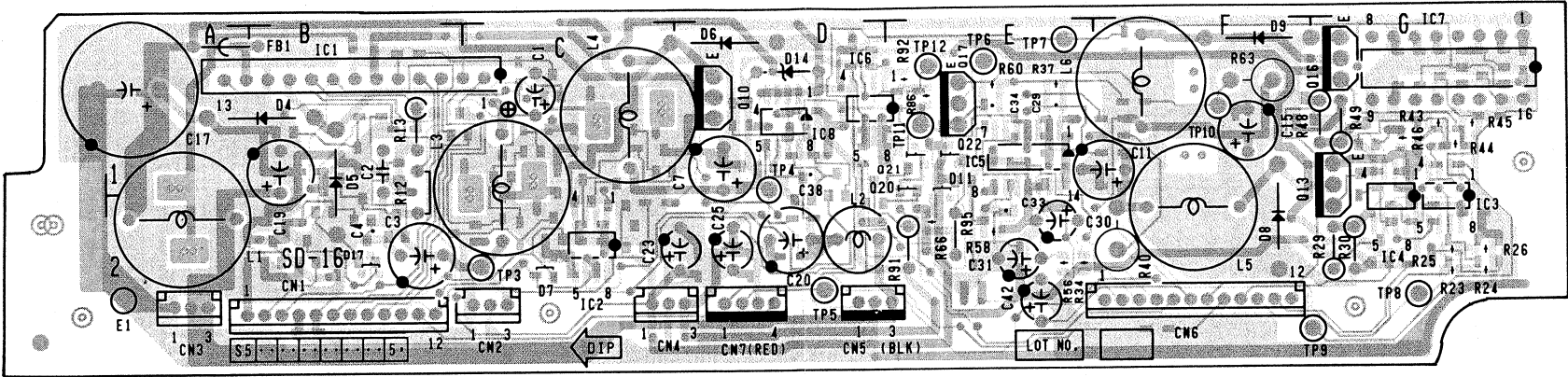
SD-16P ; SERVO DRIVER

SD-16P(1-622-892-15)

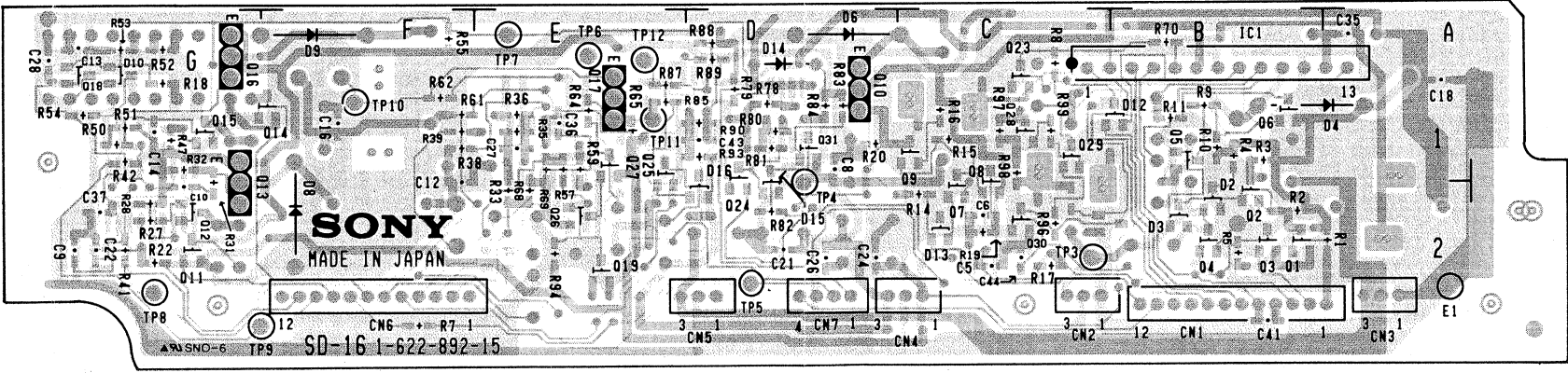
CN1	B-2	C	Q24	D-1	S
CN2	C-2	C	Q25	E-1	S
CN3	A-2	C	Q26	E-2	S
CN4	C-2	C	Q27	E-1	S
CN5	D-2	C	Q28	C-1	S
CN6	F-2	C	Q29	C-1	S
CN7	D-2	C	Q30	C-2	S
			Q31	D-1	S
D2	B-2	S			
D3	B-2	S	TP3	C-2	C
D4	B-1	C	TP4	D-1	C
D5	B-1	C	TP5	D-2	C
D6	D-1	C	TP6	E-1	C
D7	C-2	C	TP7	E-1	C
D8	F-2	C	TP8	G-2	C
D9	F-1	C	TP9	G-2	C
D10	G-1	S	TP10	F-1	C
D11	E-1	C	TP11	E-1	C
D12	B-1	S	TP12	E-1	C
D13	C-2	S			
D14	D-1	C	**	C	COMPONENT SIDE
D15	D-1	S	**	S	SOLDERING SIDE
D16	D-2	S			
D17	B-2	C			
E1	A-2	C			
IC1	B-1	C			
IC2	C-2	C			
IC3	G-2	C			
IC4	G-2	C			
IC5	E-1	C			
IC6	D-1	C			
IC7	G-1	C			
IC8	D-1	C			
Q1	B-2	S			
Q2	B-2	S			
Q3	B-2	S			
Q4	B-2	S			
Q5	B-1	S			
Q6	B-1	S			
Q7	C-2	S			
Q8	C-2	S			
Q9	C-1	S			
Q10	D-1	C			
Q11	G-2	S			
Q12	G-2	S			
Q13	G-1	C			
Q14	F-1	S			
Q15	G-1	S			
Q16	G-1	C			
Q17	E-1	C			
Q18	G-1	S			
Q19	E-2	S			
Q20	E-1	C			
Q21	E-1	C			
Q22	E-1	C			
Q23	C-1	S			



SD-16P ; SERVO DRIVER

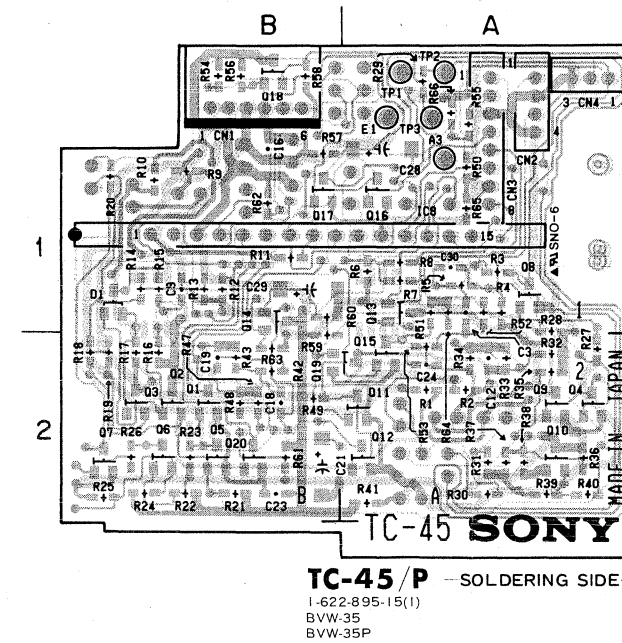
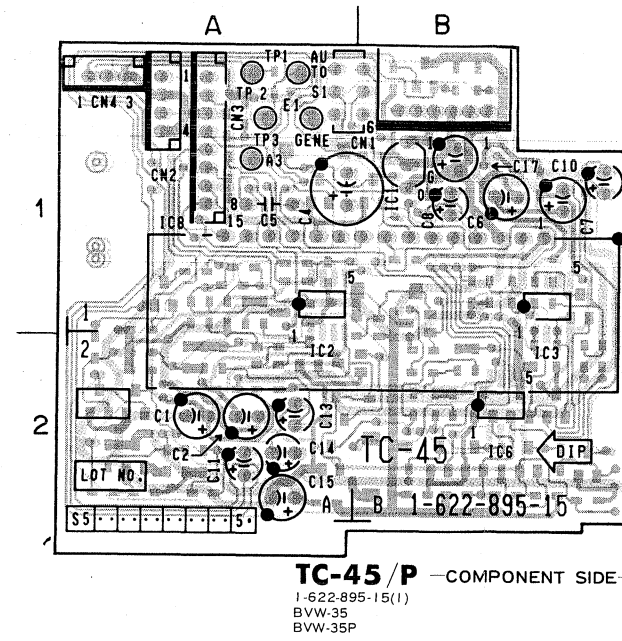


SD-16/P — COMPONENT SIDE—
1-622-892-15(1)
BVW-35
BVW-35P



SD-16/P — SOLDERING SIDE—
1-622-892-15(1)
BVW-35
BVW-35P

TC-45P ; TIME CODE REC/PB AMPLIFIER



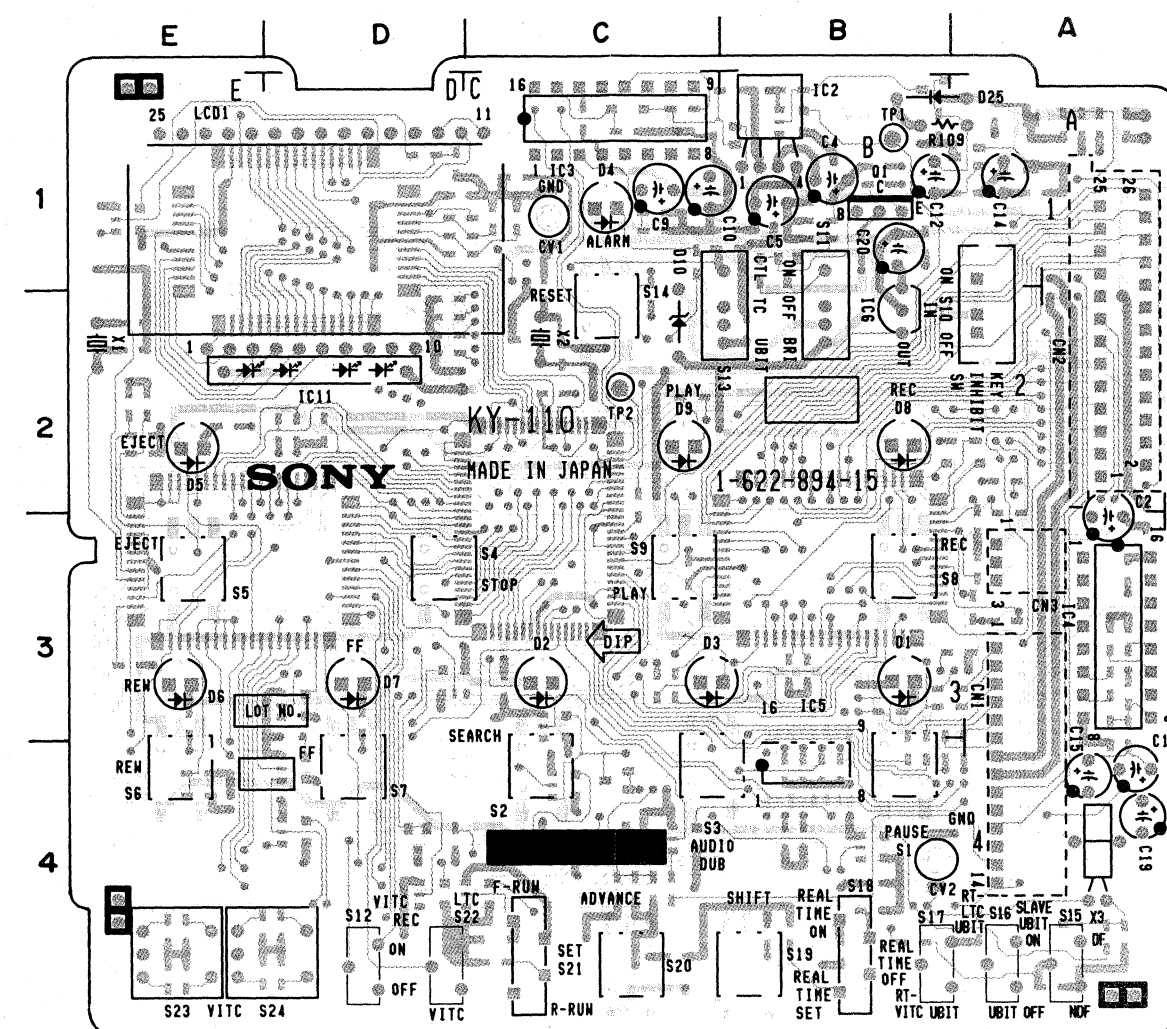
KY-110P ; FUNCTION KEY/TIME CODE

KY-110P(1-622-894-15)

CN1	A-3	S	S5	E-3	C
CN2	A-2	S	S6	E-4	C
CN3	A-3	S	S7	D-4	C
			S8	B-3	C
CV1	C-1	C	S9	C-3	C
CV2	B-4	C	S10	A-2	C
			S11	B-1	C
D1	B-3	C	S12	D-4	C
D2	C-3	C	S13	B-2	C
D3	C-3	C	S14	C-2	C
D4	C-1	C	S15	A-4	C
D5	E-2	C	S16	A-4	C
D6	E-3	C	S17	B-4	C
D7	D-3	C	S18	B-4	C
D8	B-2	C	S19	B-4	C
D9	C-2	C	S20	C-4	C
D10	C-1	C	S21	C-4	C
D11	B-1	S	S22	D-4	C
D19	C-4	S	S23	E-4	C
D23	D-4	S	S24	D-4	C
D25	A-1	C			
			TP1	B-1	C
			TP2	C-2	C
IC1	B-3	S			
IC2	B-1	C			
IC3	C-1	C	X1	E-2	C
IC4	A-3	C	X2	C-2	C
IC5	B-3	C	X3	A-4	C
IC6	B-2	C			
IC7	E-3	S			
IC8	D-3	S			
IC9	D-2	S			
IC10	B-4	S			
IC11	D-2	C			
IC12	E-1	S			
IC13	E-3	S			
IC14	D-3	S			
IC15	C-4	S			
IC16	C-4	S			
IC17	C-3	S			
IC18	C-4	S			
IC19	C-4	S			
IC20	D-4	S			
IC21	D-4	S			
IC22	D-4	S			
IC23	B-1	S			

**-* C; COMPONENT SIDE
**-* S; SOLDERING SIDE

LCD1	E-1	C
Q1	B-1	C
Q4	A-1	S
Q5	A-1	S
Q7	C-4	S
Q10	B-1	S
S1	B-4	C
S2	C-4	C
S3	C-4	C
S4	C-3	C



KY-110/P - COMPONENT SIDE
1-622-894-15(1)
BVW-35
BVW-35P

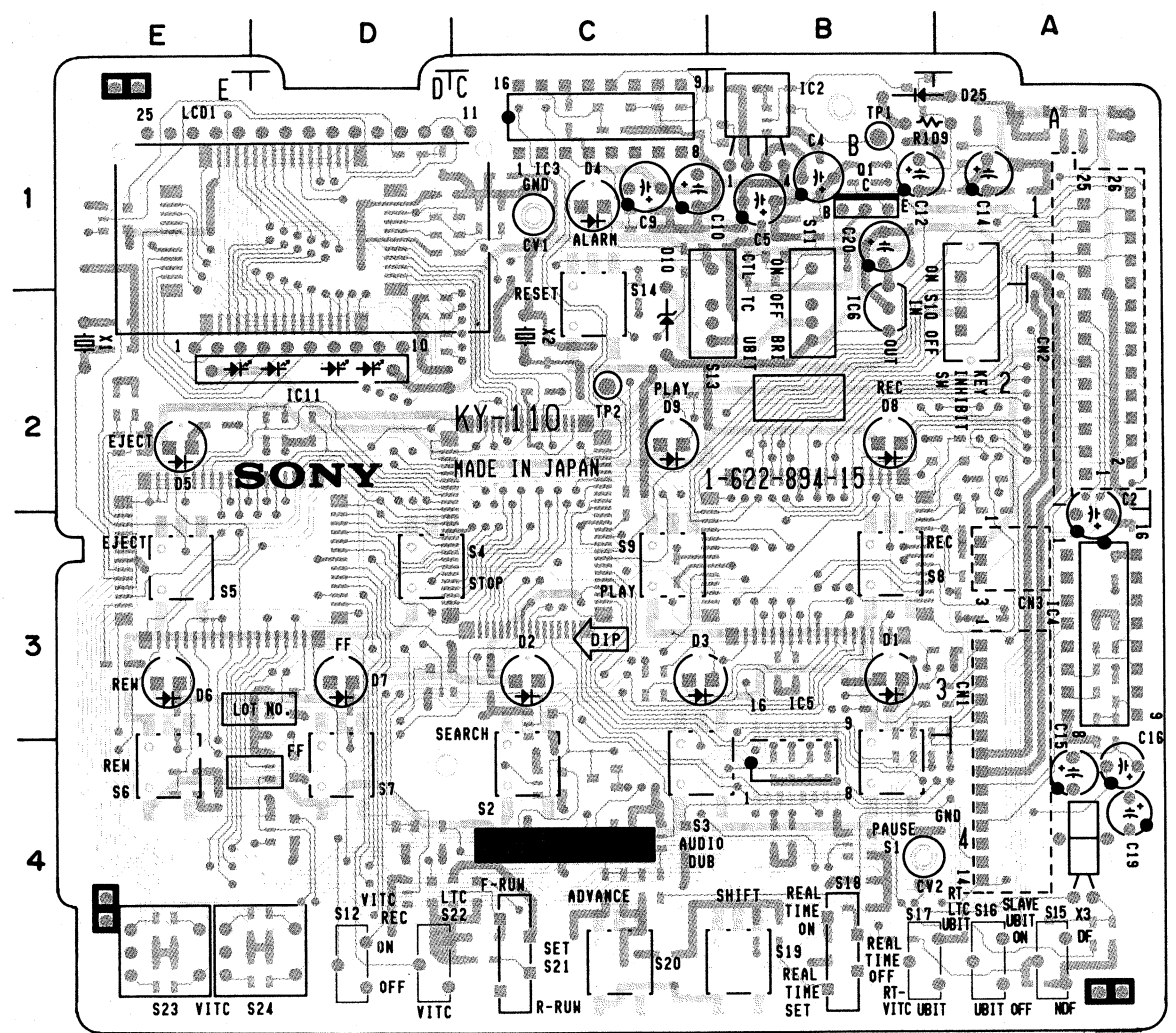
KY-110P ; FUNCTION KEY/TIME CODE

E-3 C
E-4 C
D-4 C
B-3 C
C-3 C
A-2 C
B-1 C
D-4 C
B-2 C
C-2 C
A-4 C
A-4 C
B-4 C
B-4 C
C-4 C
C-4 C
D-4 C
E-4 C
D-4 C

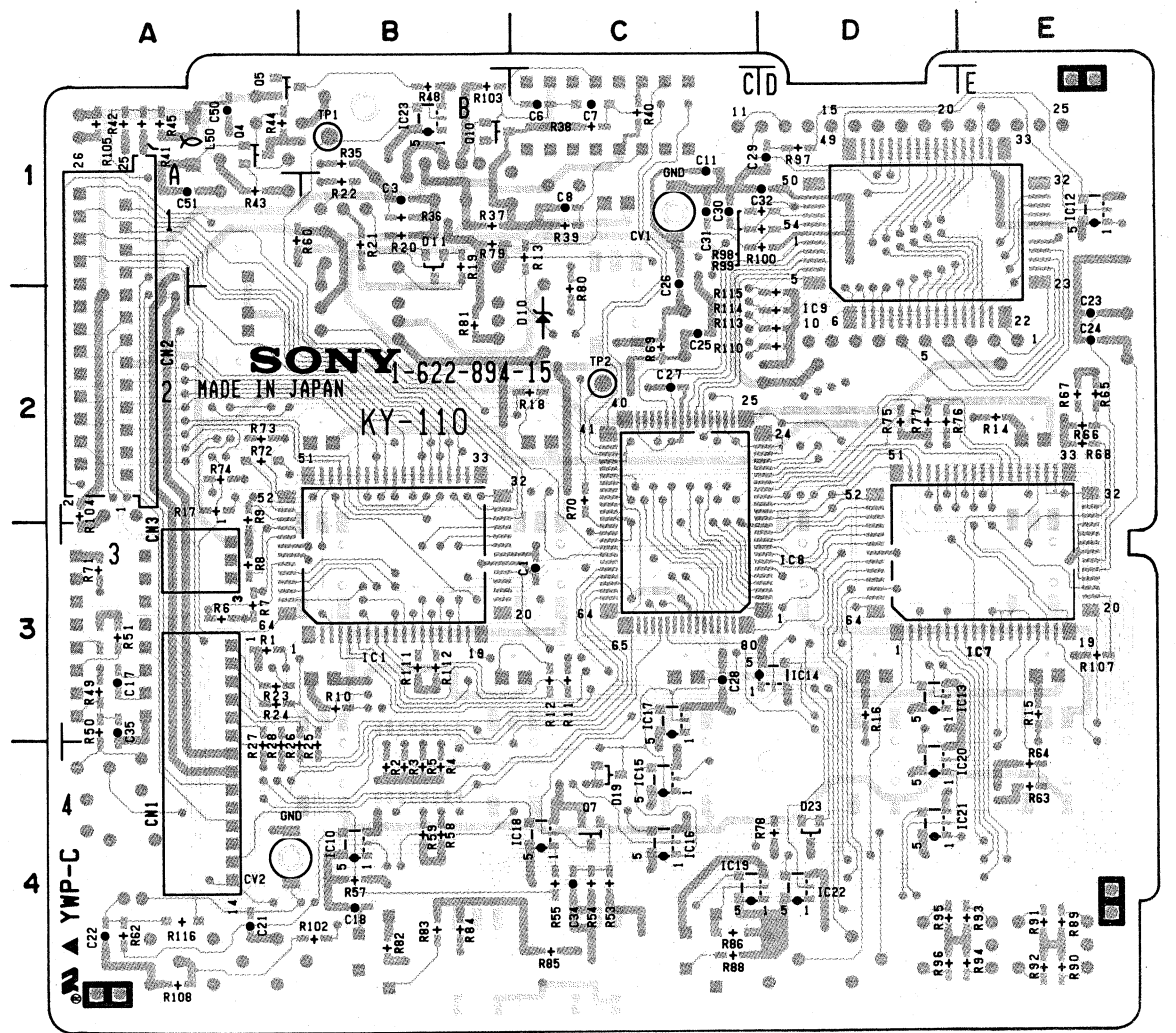
B-1 C
C-2 C

E-2 C
C-2 C
A-4 C

OMPONENT SIDE
OLDERING SIDE



KY-110/P - COMPONENT SIDE
1-622-894-15(I)
BVW-35
BVW-35P



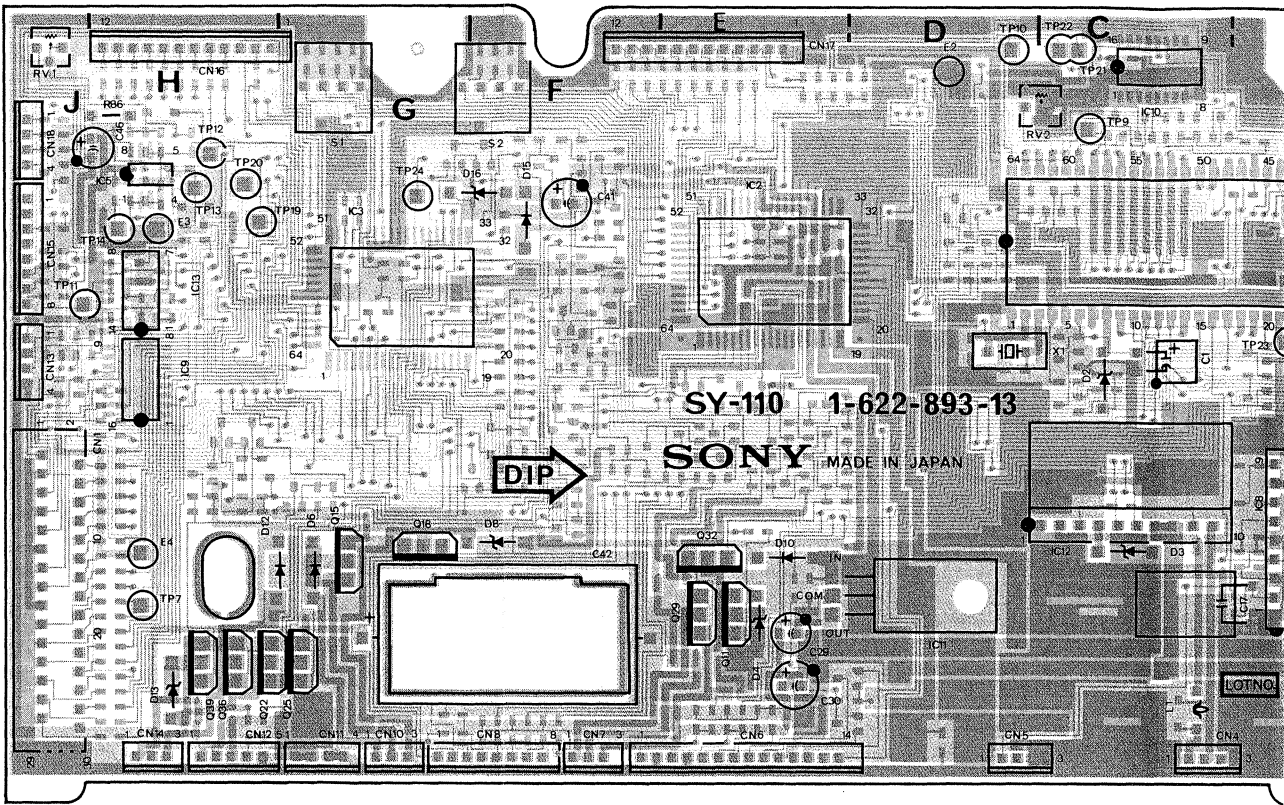
KY-110/P - SOLDERING SIDE
1-622-894-15(I)
BVW-35
BVW-35P

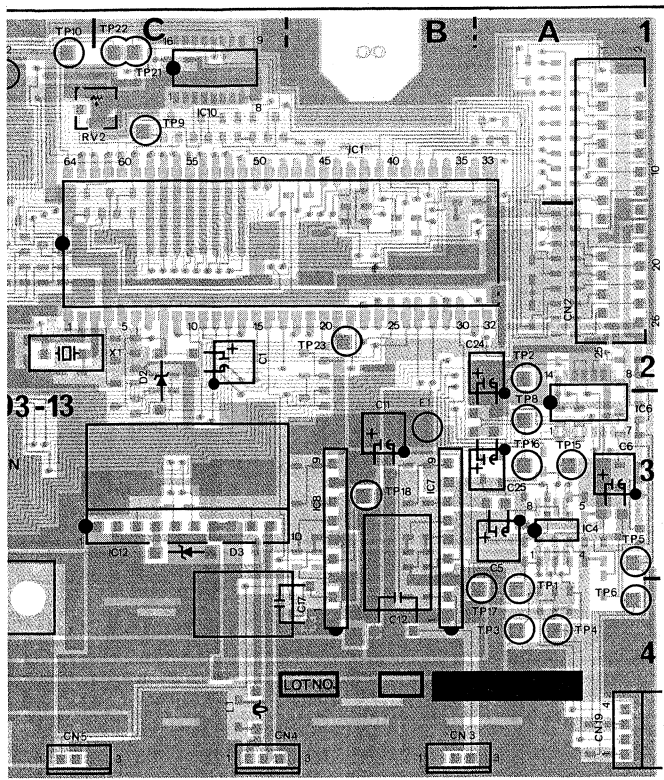
SY-110; SYSTEM CONTROL

SY-110(1-622-893-13)

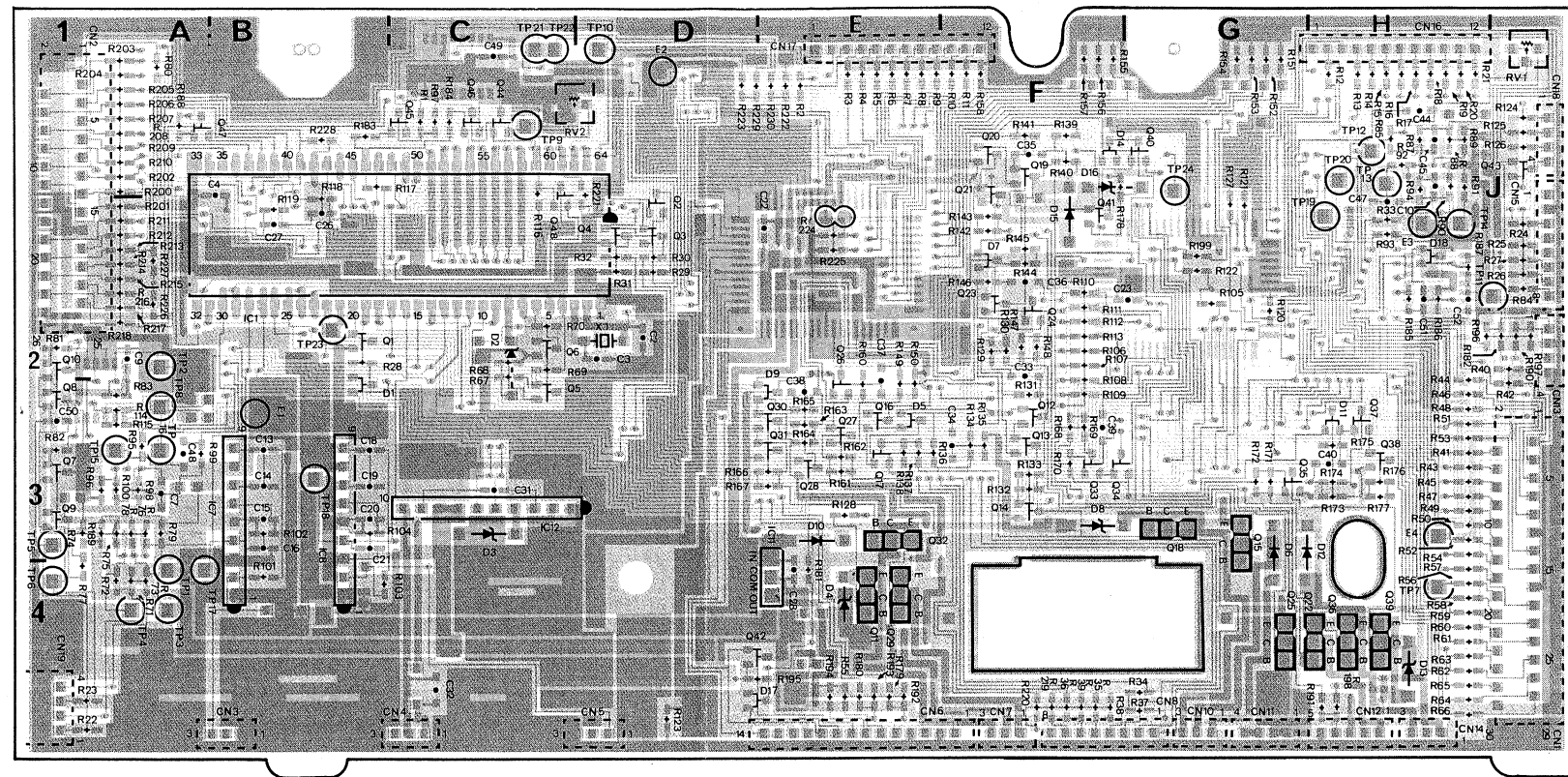
CN1	J-4	C	Q3	D-2	S	TP8	A-3	C
CN2	A-1	C	Q4	D-2	S	TP9	C-1	C
CN3	B-4	C	Q5	C-3	S	TP10	D-1	C
CN4	C-4	C	Q6	C-2	S	TP11	J-2	C
CN5	D-4	C	Q7	A-3	S	TP12	H-1	C
CN6	E-4	C	Q8	A-3	S	TP13	H-1	C
CN7	F-4	C	Q9	A-3	S	TP14	H-2	C
CN8	F-4	C	Q10	A-2	S	TP15	A-3	C
CN10	G-4	C	Q11	E-4	C	TP16	A-3	C
CN11	G-4	C	Q12	F-3	S	TP17	A-4	C
CN12	H-4	C	Q13	F-3	S	TP18	B-3	C
CN13	J-2	C	Q14	F-3	S	TP19	H-2	C
CN14	H-4	C	Q15	G-3	C	TP20	H-1	C
CN15	J-2	C	Q16	E-3	S	TP21	C-1	C
CN16	H-1	C	Q17	E-3	S	TP22	C-1	C
CN17	E-1	C	Q18	G-3	C	TP23	B-2	C
CN18	J-1	C	Q19	F-1	S	TP24	G-1	C
CN19	A-4	C	Q20	F-1	S			
			Q21	F-2	S	X1	D-2	C
D1	B-3	S	Q22	H-4	C			
D2	C-2	C	Q23	F-2	S			
D3	C-3	C	Q24	F-2	S			
D4	E-4	C	Q25	G-4	C			
D5	E-3	S	Q26	E-3	S			
D6	G-3	C	Q27	E-3	S			
D7	F-2	S	Q28	E-3	S			
D8	F-3	C	Q29	E-4	C			
D9	E-3	S	Q30	E-3	S			
D10	E-3	C	Q31	E-3	S			
D11	H-3	S	Q32	E-3	C			
D12	G-3	C	Q33	F-3	S			
D13	H-4	C	Q34	F-3	S			
D14	F-1	S	Q35	G-3	S			
D15	F-2	C	Q36	H-4	C			
D16	F-1	C	Q37	H-3	S			
D17	D-4	S	Q38	H-3	S			
D18	H-2	S	Q39	H-4	C			
			Q40	G-1	S			
E1	B-3	C	Q41	F-2	S			
E2	D-1	C	Q42	D-4	S			
E3	H-2	C	Q43	J-1	S			
E4	H-3	C	Q44	C-1	S			
			Q45	C-1	S			
IC1	B-2	C	Q46	C-1	S			
IC2	E-2	C	Q47	A-1	S			
IC3	G-2	C	Q48	C-2	S			
IC4	A-3	C						
IC5	H-1	C	RV1	J-1	C			
IC6	A-3	C						
IC7	B-3	C	S1	G-1	C			
IC8	B-3	C	S2	F-1	C			
IC9	H-2	C						
IC10	C-1	C	TP1	A-4	C			
IC11	E-4	C	TP2	A-2	C			
IC12	C-3	C	TP3	A-4	C			
IC13	H-2	C	TP4	A-4	C			
			TP5	A-3	C			
Q1	B-2	S	TP6	A-4	C			
Q2	D-2	S	TP7	H-4	C			

*- * C; COMPONENT SIDE
*- * S; SOLDERING SIDE





SY-110 - COMPONENT SIDE
I-622-893-13(1)
BVW-35
BVW-35P



SY-110 - SOLDERING SIDE
I-622-893-13(1)
BVW-35
BVW-35P

CS-22, DU-39, SW-24, SWC-3, SW-203

CS-22, DU-39, SW-24, SWC-3, SW-203

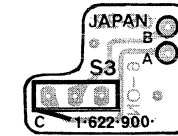
CS-22 ; SP CASSETTE-IN SWITCH

DU-39 ; EJECT MOTOR

SW-24 ; UNTHREADING-END SWITCH

SWC-3 ; TENSION REGULATOR SWITCH

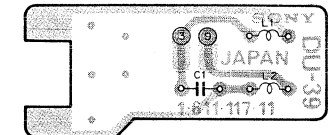
SW-203 ; MISS REC/CASSETTE-IN SWITCH



CS-22

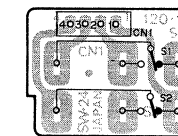
—COMPONENT SIDE—

1-622-900-12(1)
BVW-35
BVW-35P



DU-39 —COMPONENT SIDE—

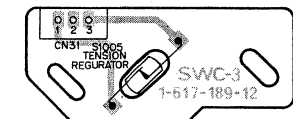
1-611-117-11(1)
BVW-35
BVW-35P



SW-24

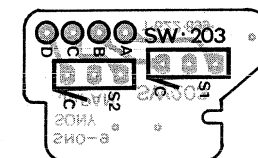
—COMPONENT SIDE—

1-611-120-11(1)
BVW-35
BVW-35P



SWC-3 —COMPONENT SIDE—

1-617-189-12(1)
BVW-35
BVW-35P



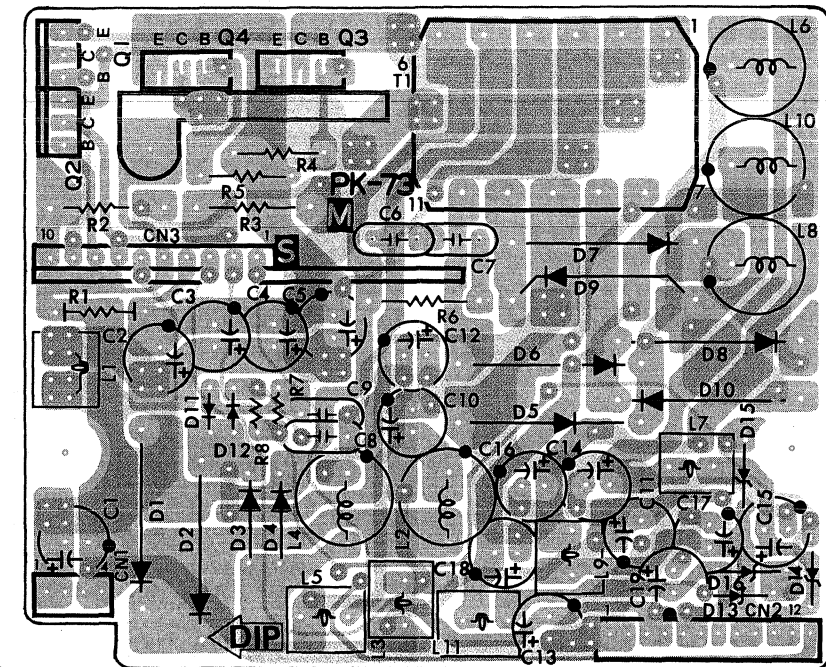
SW-203

—COMPONENT SIDE—

1-622-899-12(1)
BVW-35
BVW-35P

DC-DC CONV. DC-DC CONV.

DC-DC CONVERTER



DC-DC CONVERTER —COMPONENT SIDE—
BVW-35
BVW-35P

PSW-8, BC-14, BC-17, DC-35

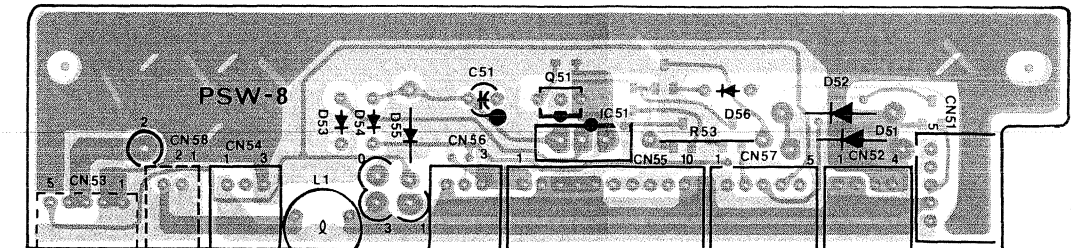
PSW-8, BC-14, BC-17, DC-35

PSW-8; POWER SWITCH CONTROL

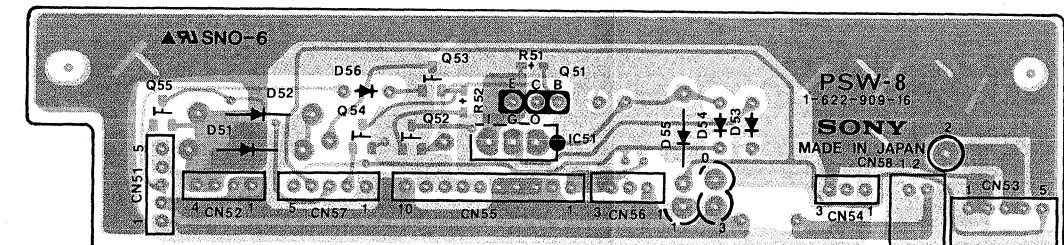
BC-14; BATTERY

BC-17; BATTERY

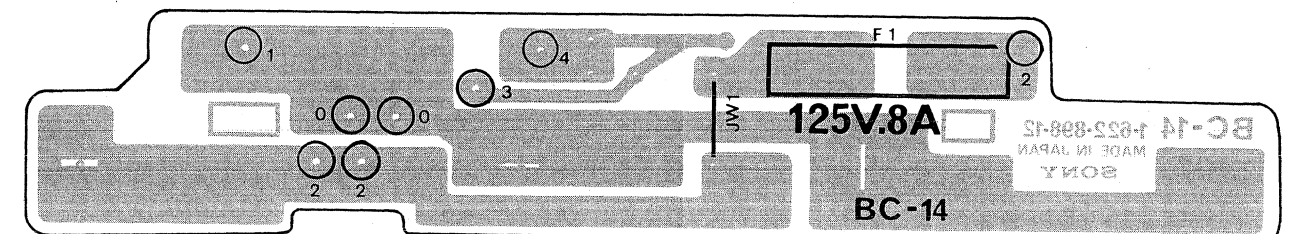
DC-35; DC IN/DIODE



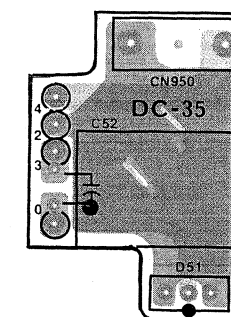
PSW-8 —COMPONENT SIDE—
1-622-909-16(1)
BVW-35
BVW-35P



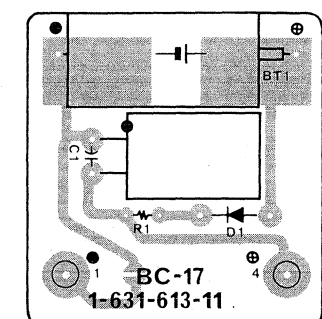
PSW-8 —SOLDERING SIDE—
1-622-909-16(1)
BVW-35
BVW-35P



BC-14 COMPONENT SIDE
1-622-898-12(1)
BVW-35
BVW-35P



DC-35 —COMPONENT SIDE—
1-622-907-12(1)
BVW-35
BVW-35P

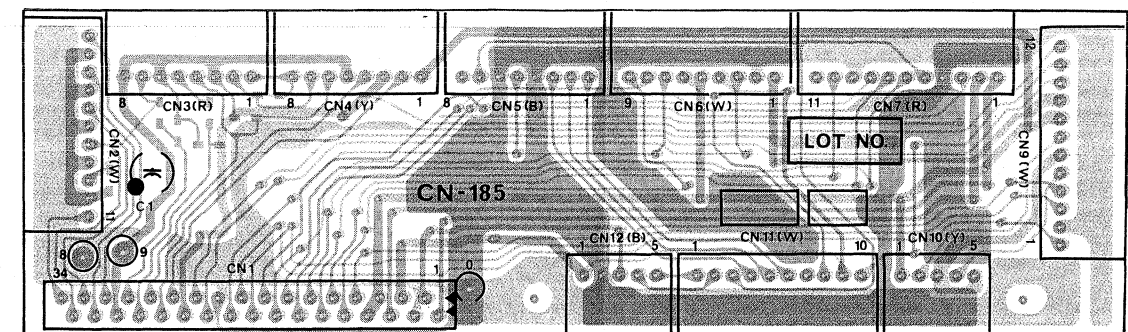


BC-17 COMPONENT SIDE
1-631-613-11(1)
BVW-35
BVW-35P

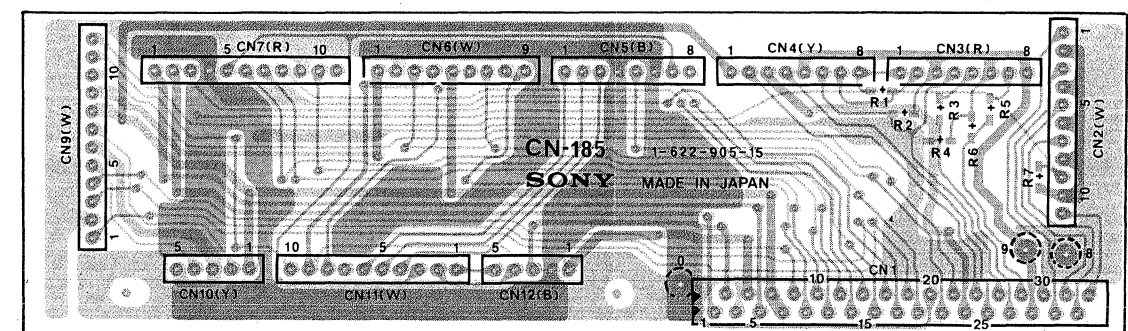
CN-185

CN-185

CN-185 ; CP CONNECTION BOARD



CN-185 — COMPONENT SIDE—
I-622-905-15(1)
BVW-35
BVW-35P



CN-185 — SOLDERING SIDE—
I-622-905-15(1)
BVW-35
BVW-35P

CON-12, RM-54, RMD-1, DS-23

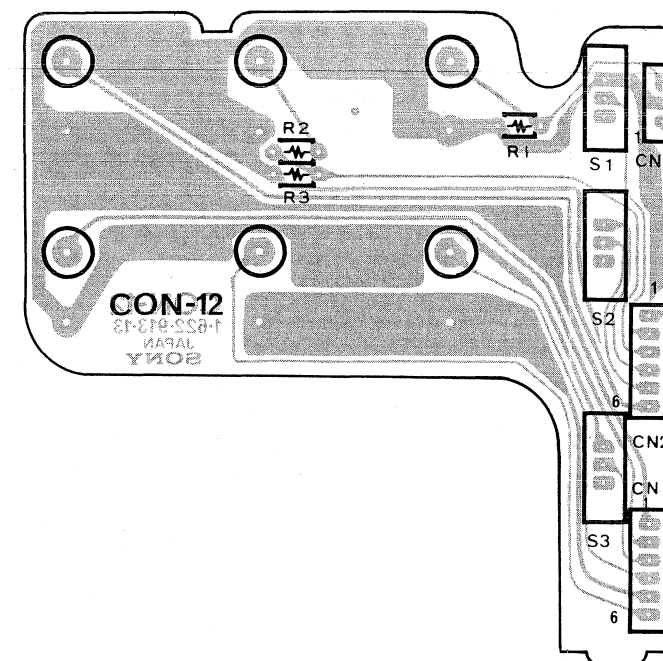
CON-12, RM-54, RMD-1, DS-23

CON-12 ; BNC CONNECTOR

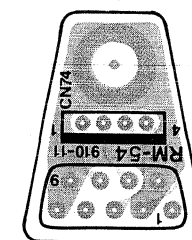
RM-54 ; 9P REMOTE CONTROL

RMD-1 ; RF MODULATOR

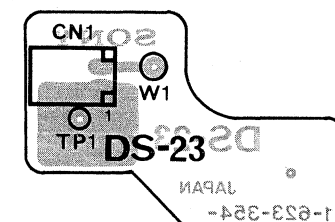
DS-23 ; DEW CONNECTION BOARD



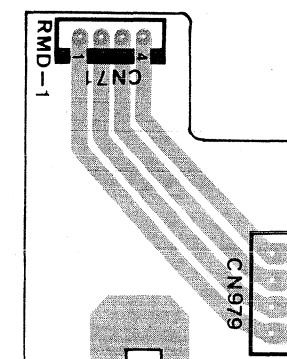
CON-12 —COMPONENT SIDE—
I-622-913-13(1)
BVW-35
BVW-35P



RM-54 —COMPONENT SIDE—
I-622-910-11(1)
BVW-35
BVW-35P



DS-23 —COMPONENT SIDE—
I-623-354-12(1)
BVW-35
BVW-35P



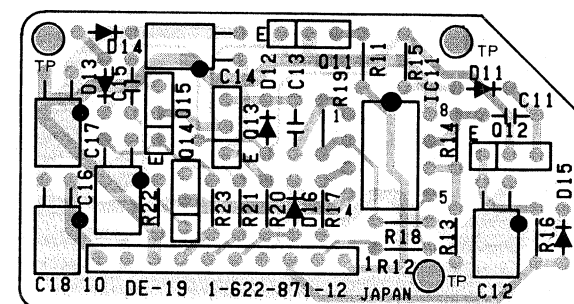
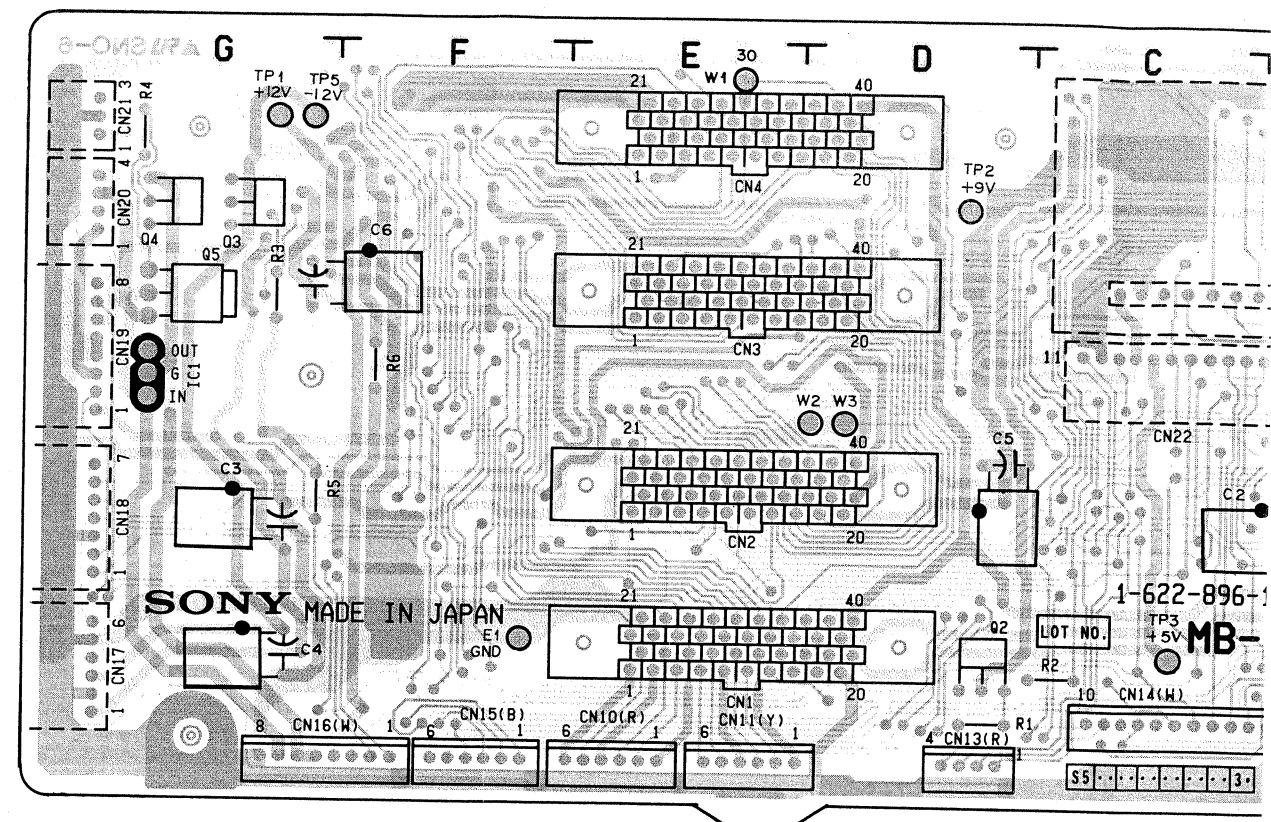
RMD-1 —COMPONENT SIDE—
I-622-911-13(1)
BVW-35
BVW-35P

MB-157 ; MOTHER BOARD

DE-19 ; LEVEL DETECTOR

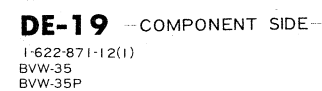
MB-157 (1-622-896-13)

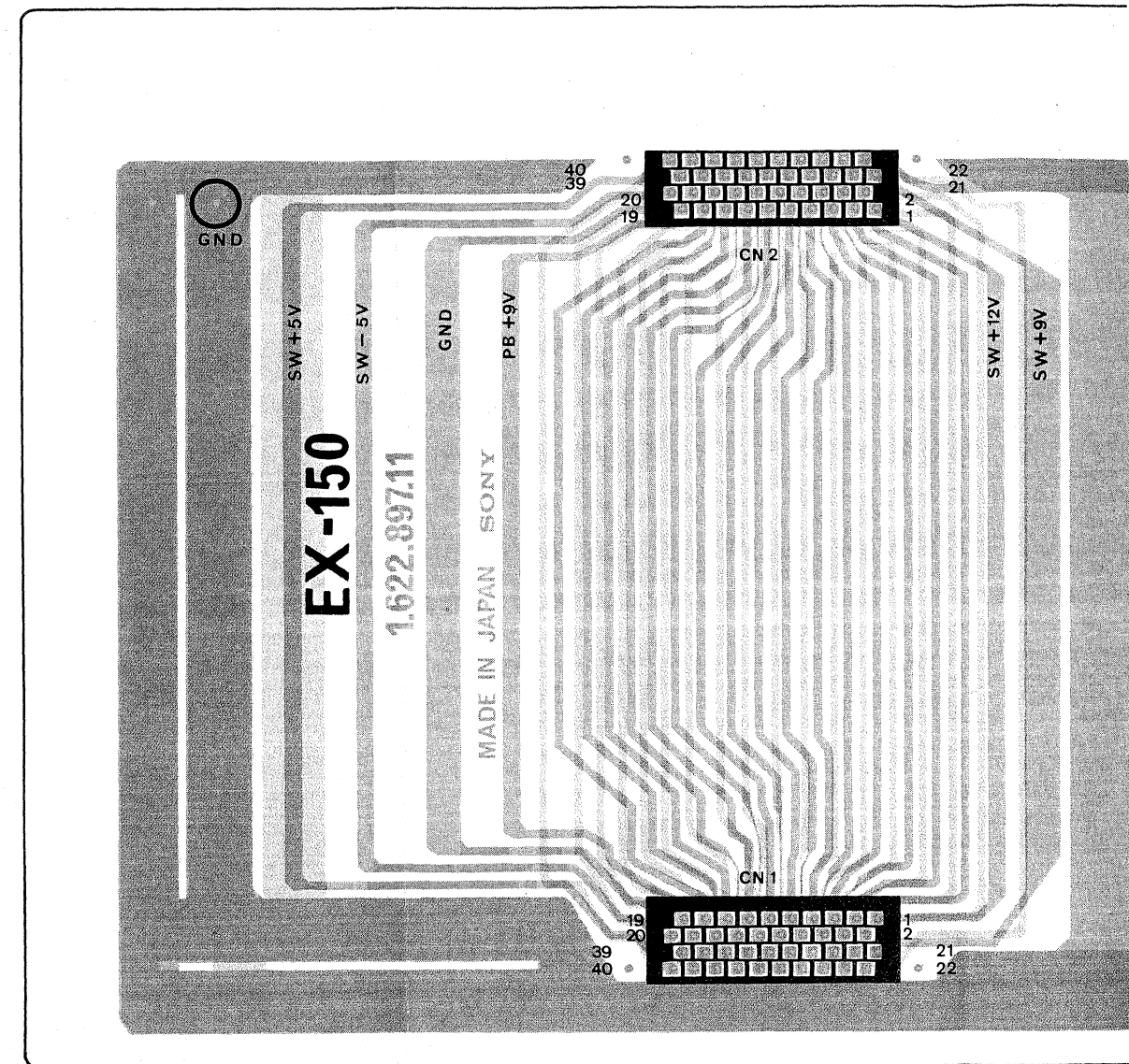
CN1	E-5	C
CN2	E-4	C
CN3	E-2	C
CN4	E-1	C
CN5	A-6	C
CN6	A-3	C
CN7	A-6	C
CN8	B-4	C
CN9	B-5	C
CN10	E-5	C
CN11	E-5	C
CN12	A-1	C
CN13	D-5	C
CN14	C-5	C
CN15	F-5	C
CN16	G-5	C
CN17	G-5	C
CN18	G-4	C
CN19	G-3	C
CN20	G-2	C
CN21	G-1	C
CN22	C-3	C
E1	F-4	C
IC1	G-3	C
Q1	B-3	C
Q2	D-5	C
Q3	G-2	C
Q4	G-2	C
Q5	G-2	C
TP1	G-1	C
TP2	D-2	C
TP3	C-5	C
TP4	B-4	C
TP5	G-1	C



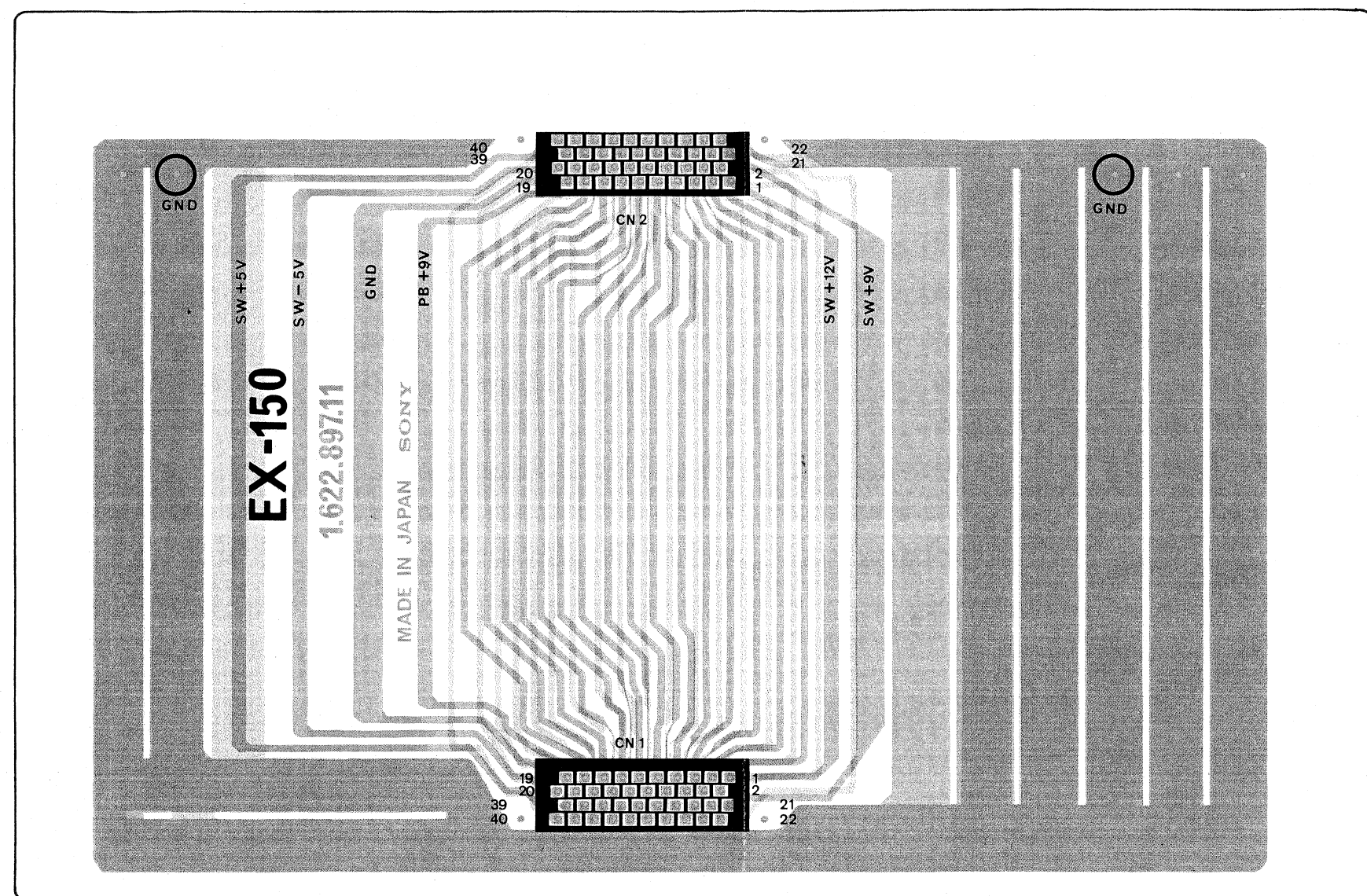
DE-19 -COMPONENT SIDE
1-622-871-12(1)
BVW-35
BVW-35P

E-5	C
E-4	C
E-2	C
E-1	C
A-6	C
A-3	C
A-6	C
B-4	C
B-5	C
E-5	C
E-5	C
A-1	C
D-5	C
C-5	C
F-5	C
G-5	C
G-5	C
G-4	C
G-3	C
G-2	C
G-1	C
C-3	C
F-4	C
G-3	C
B-3	C
D-5	C
G-2	C
G-2	C
G-2	C
G-1	C
D-2	C
C-5	C
B-4	C
G-1	C





EX-150 ; EXTENSION BOARD


**EX-150** —SOLDERING SIDE—1-622-897-11(1)
BVW-35
BVW-35P

SECTION 16

SPARE PARTS AND FIXTURE

16-1. PARTS INFORMATION

(1)

The shaded and  -marked components are critical to safety. Replace only with same components as specified.

- (2) Replacement Parts supplied from the Sony Parts Center will sometimes have a different shape from the original parts. This is due to "improved parts and/or engineering changes" or "standardization of genuine parts". This manual's exploded views and electrical spare parts list indicate the part numbers of "the standardized genuine parts at the present". Regarding engineering part changes by the engineering department, refer to Sony service bulletins and service manual supplements.
- (3) The parts marked with "s" in the SP column of the exploded views and electrical spare parts list are normally stocked for replacement purposes. The parts marked with "o" in the SP column are not normally required for routine service work. Orders for parts marked with "o" will be processed, but allow for additional delivery time.
- (4) Items with no part number and/or no description are not stocked because they are seldom required for routine service.
- (5) (T) after a spring description is shown on the exploded views in order to indicate the number of spring turns required for use.
(Example)
Spring, tension (24T); This spring must be cut at its 24th turn for actual use.

PARTS CHANGE INFORMATION

· In this parts list, **) marked parts are design-changed.
· Applicable Serial No. are as follows;

- 1) Marked parts are for Serial No. up to 11768.
- 2) Marked parts are for Serial No. 11769 and higher.
- 3) Marked parts are for Serial No. up to 11838.
- 4) Marked parts are for Serial No. 11839 and higher.
- 5) Marked parts are for Serial No. up to 11928.
- 6) Marked parts are for Serial No. 11932 and higher.
- 7) Marked parts are for Serial No. up to 11968.
- 8) Marked parts are for Serial No. 11969 and higher.
- 9) Marked parts are for Serial No. up to 12048.
- 10) Marked parts are for Serial No. 12049 and higher.

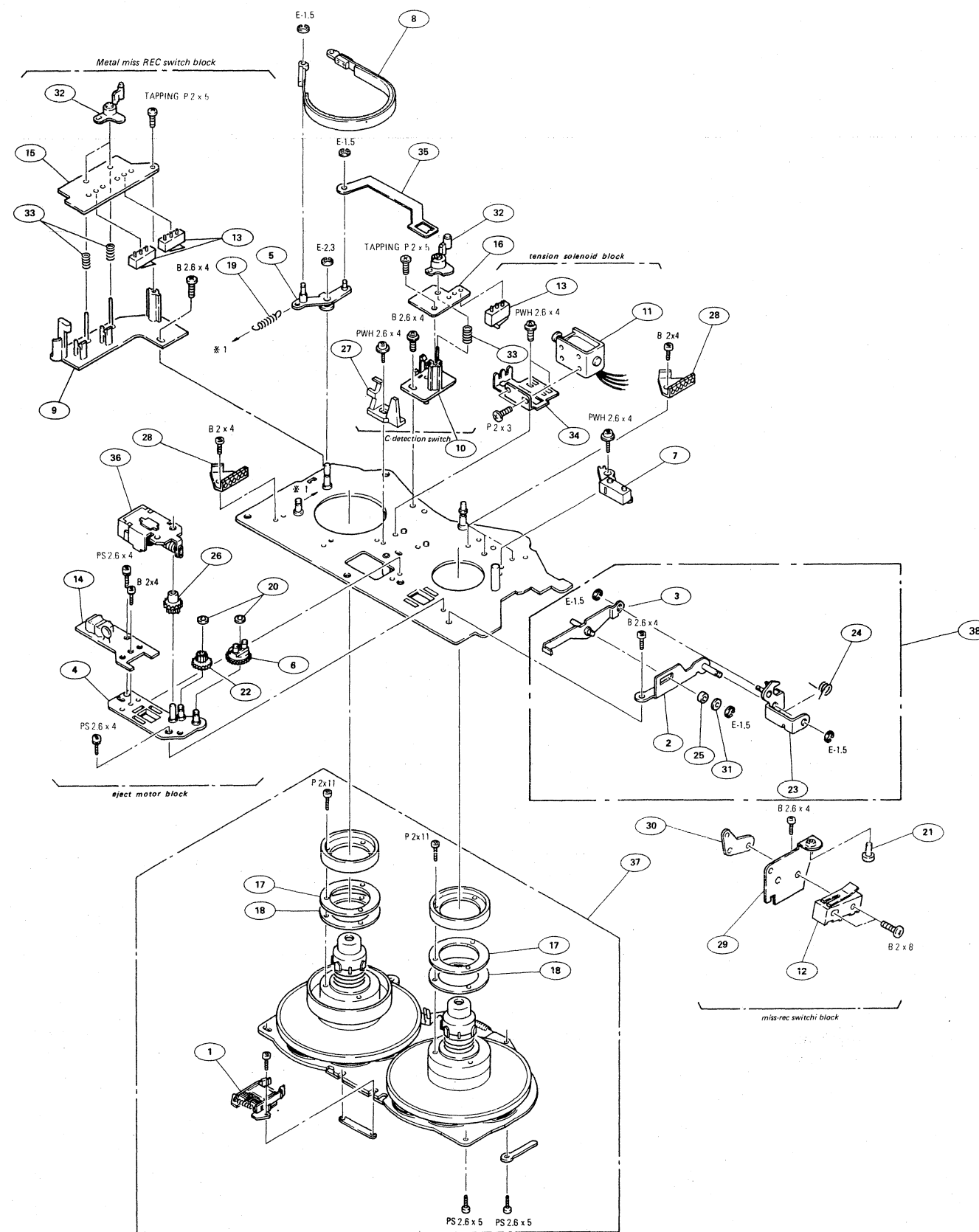
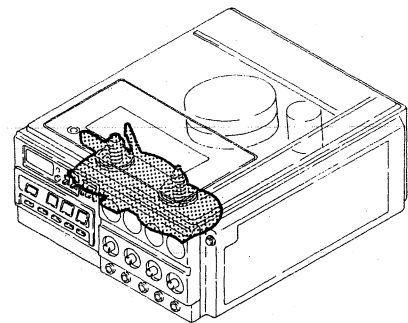
16-2. EXPLODED VIEW

. Exploded views are composed of the following blocks.

- (1) Reel Chassis Block
 - cassette-in switch
 - reel motor
 - eject motor
 - tension solenoid
 - lock and unlock ass'y
 - miss-REC switch
- (2) Drum, Stationary Heads, Tape Guides and Capstan Blocks
 - head drum
 - audio/TC head
 - CTL/FE head
 - tape guides
 - capstan motor
- (3) Threading Ring, Motors and Switch Blocks
 - threading ring
 - drum motor
 - threading motor
 - unthreading end switch
 - tape beginning sensor
- (4) Pinch Press Mechanism and Tape-end Sensor Blocks
 - pinch press mechanism
 - tape-end sensor
- (5) Ring Stopper Assembly Block
 - ring stopper
- (6) Gear Assembly Block
 - gear assembly
 - slant guide
- (7) Reel Chassis Block (Back Side)
 - motor pulley
 - belt
 - back side printed circuit board
- (8) Cassette-up Compartment Block
 - cassette-up compartment
- (9) Chassis and Printed Circuit Boards Blocks
- (10) Battery Case block
- (11) Front Panel Block
 - ornamental front panel
 - front side printed circuit boards
- (12) Meter Panel Block
 - meter panel
- (13) Connector Panel and DC-DC Converter Blocks
 - connector panel
 - DC-DC converter
- (14) Ornamental Panel Block
 - ornamental panels

REEL CHASSIS REEL CHASSIS

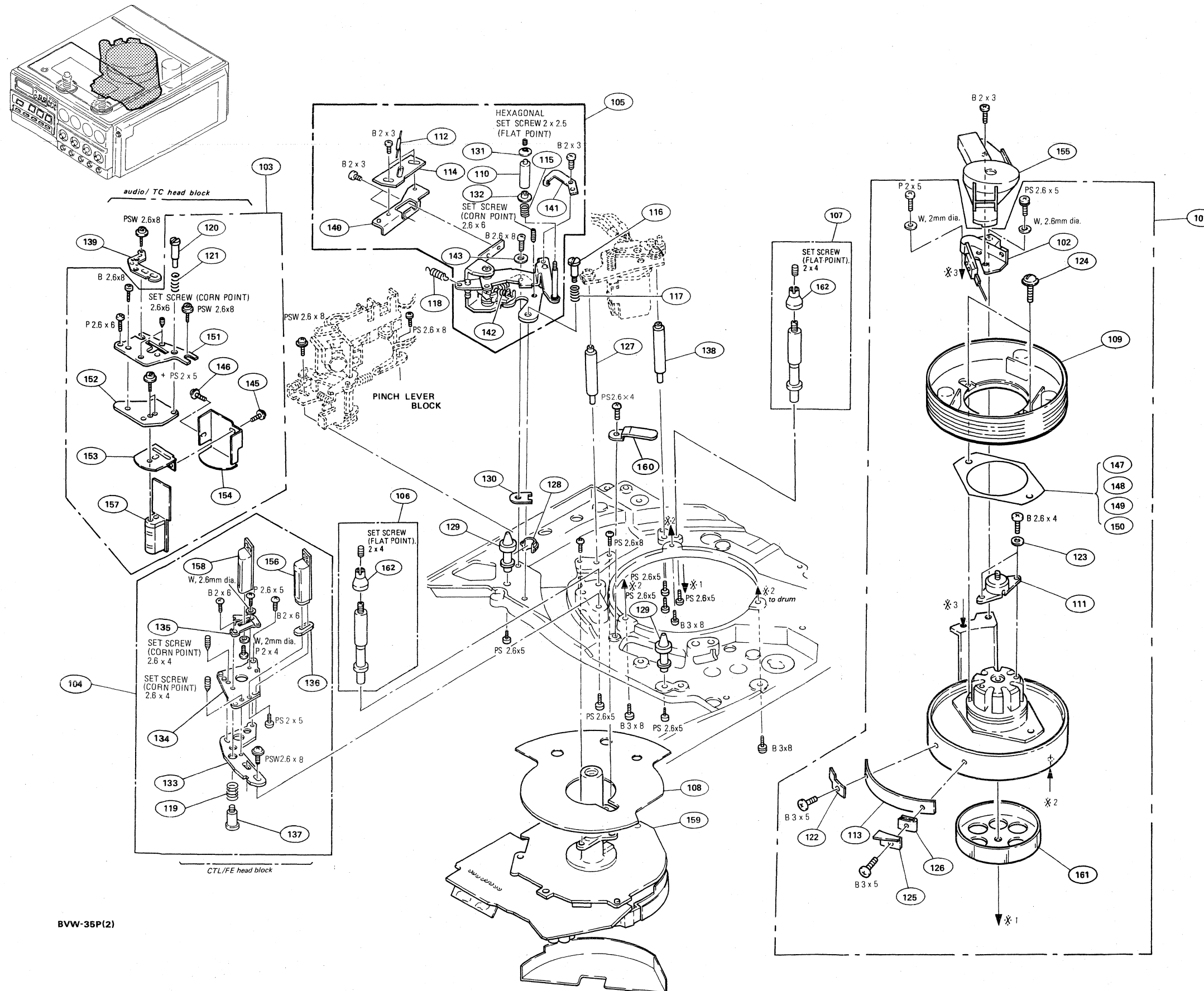
Reel Chassis Block



BVW-35P(2)

No.	Part No.	SP	Description
1	X-2621-026-1	o	SOLENOID ASSY, BRAKE
2	X-3682-802-0	o	BRACKET ASSY
3	X-3682-803-2	o	UNLOCK ASSY
4	X-3682-804-0	o	BRACKET ASSY, MOTOR
5	X-3682-805-0	o	LEVER ASSY, TR SOLENOID
6	X-3682-807-1	s	GEAR ASSY, LAST STEP
7	X-3682-809-0	s	SWITCH ASSY, C-LOCK
8	X-3682-811-0	s	BAND ASSY, TR
9	X-3719-110-1	o	BASE ASSY, SW
10	X-3719-111-1	o	BASE ASSY, DETECTION, C
11	1-454-334-51	s	SOLENOID, PLUNGER
12	1-570-028-11	s	SWITCH, MICRO
13	1-571-064-11	s	SWITCH, MICRO
14	1-611-117-11	o	PRINTED CIRCUIT BOARD, DU-39
15	1-622-899-12	o	PRINTED CIRCUIT BOARD, SW-203
16	1-622-900-12	o	PRINTED CIRCUIT BOARD, CS-22
17	2-621-040-01	s	SPACER (A)
18	2-621-040-11	s	SPACER (B)
19	3-568-321-00	s	SPRING, TENSION
20	3-570-615-00	s	POLY-WASHER (DIA.1.2)
21	3-676-277-00	o	SHAFT, CASSETTE-IN
22	3-682-818-00	s	GEAR, MIDWAY
23	X-3719-145-1	o	ARM ASSY, LOCK, CASSETTE-UP COMPARTMENT
24	3-682-824-00	o	SPRING, TORSION
25	3-682-825-00	o	ROLLER
26	3-682-842-00	s	WHEEL, WORM
27	3-682-845-00	o	BRACKET, TRANSFORMER BAND
28	3-682-847-00	o	CLAMP, LEAD
29	3-698-705-01	o	BRACKET (A), M-SW
30	3-698-706-01	o	BRACKET (B), M-SW
31	3-701-439-21	s	WASHER, POLY 3 MM DIA., 0.50T
32	3-719-118-01	s	ACTUATOR
33	3-719-119-01	s	SPRING, COMPRESSION
34	3-719-120-01	o	BRACKET, TR SOLENOID
35	3-719-121-01	o	PLATE, LEVER TR
36	8-835-067-01	s	MOTOR, DC (DNR-5300A)
37	8-838-059-03	s	MOTOR, DC (BHF-18018)
38	A-6751-182-C	o	LOCK AND UNLOCK ASSY

Drum, Stationary Heads, Tape Guides and Capstan Blocks

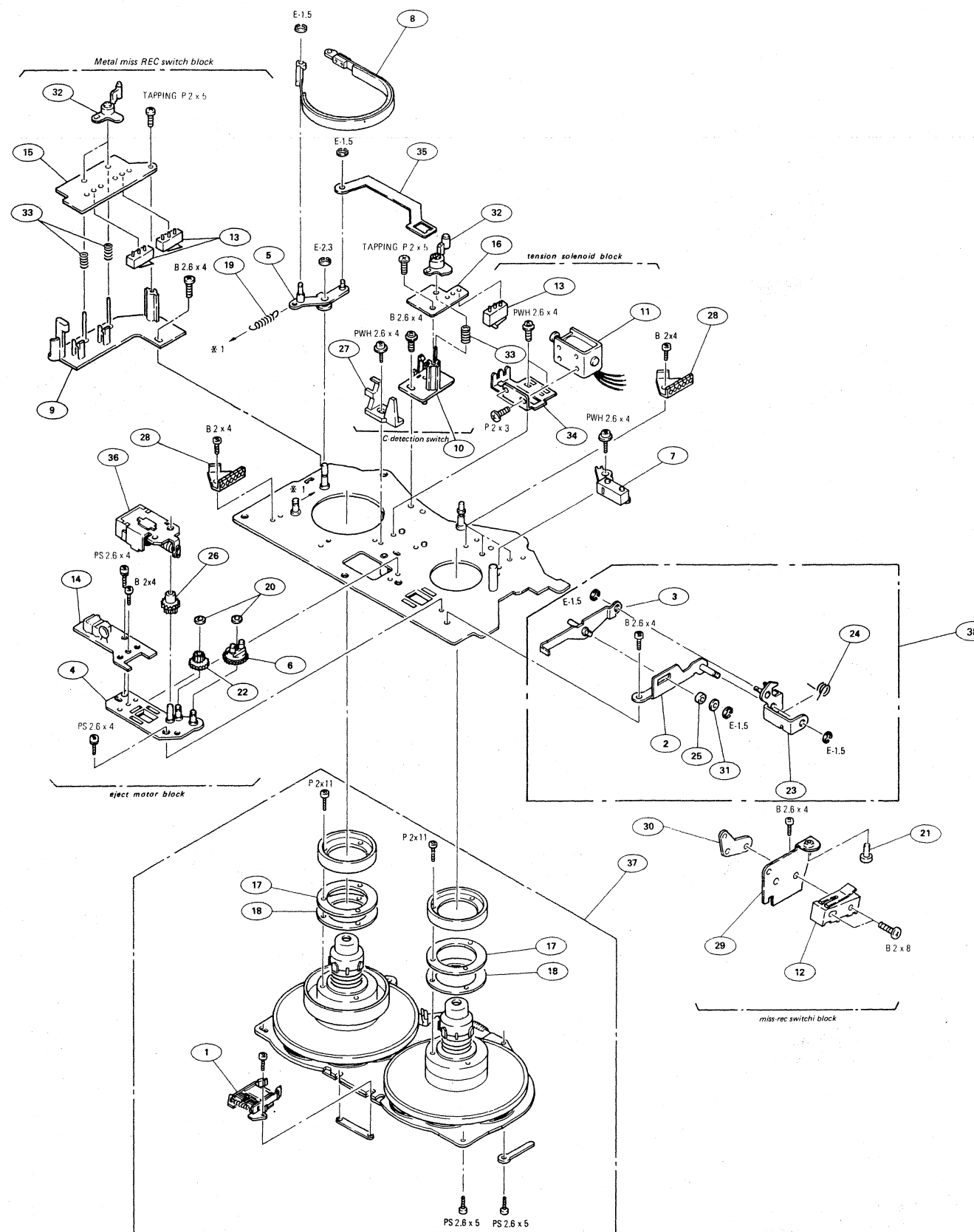
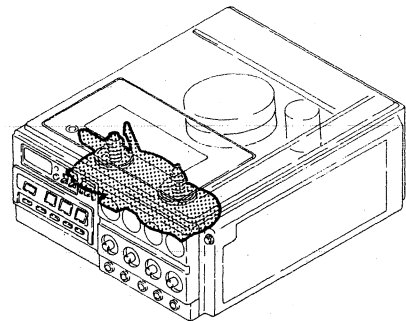


BVW-35P(2)

No.	Part No.	SP	Description
101	A-6050-525-A	s	HEAD DRUM ASSY (DBH-04A-R)
102	A-6050-655-A	s	BRUSH ASSY
103	A-6736-072-A	o	HEAD ASSY, ATAC
104	A-6736-073-B	o	HEAD ASSY, CTL
105	A-6742-060-D	s	TENSION REGULATOR ASSY
106	A-6746-023-A	s	GUIDE ASSY, ENTRANCE
107	A-6746-024-A	s	GUIDE ASSY, EXIT
108	A-6759-147-A	o	SHIELD ASSY, CAPSTAN
109	A-6762-334-A	s	DRUM ASSY, UPPER, ROTARY (DBR-04-R)
110	X-3675-851-0	s	ROLLER ASSY, TR
111	A-6050-657-A	s	RING ASSY, SLIP
112	1-570-816-11	s	SWITCH, REED
113	1-586-633-00	s	DETECTOR, DEW
114	1-617-189-12	o	PRINTED CIRCUIT BOARD, SWC-3
115	2-618-901-00	s	SPRING
116	3-145-535-01	s	SCREW, HEAD
117	3-428-132-00	s	SPRING, COMPRESSION
118	3-535-346-00	s	SPRING, TENSION
119	3-564-121-00	s	SPRING, COMPRESSION
120	3-643-451-00	s	SCREW, AZIMUTH ADJUSTMENT
121	3-653-350-00	s	SPRING, COMPRESSION
122	3-675-701-00	o	TERMINAL BOARD
123	3-675-702-00	o	WASHER, INSULATING
124	3-675-740-00	s	EXT TOOTH (W) (MIDDLE)
125	3-675-756-02	o	STOPPER (A), TAPE
126	3-675-757-01	o	TERMINAL, GROUND
127	3-676-013-00	o	SUPPORT (A), AU HEAD
128	3-676-018-00	o	STOPPER, TENSION REGULATOR
129	3-676-177-00	o	SHAFT, CG
130	3-676-208-00	o	PLATE, SINK
131	3-677-752-00	s	NUT, ADJUSTMENT, T
132	3-682-953-02	s	RETAINER, T
133	3-687-139-01	o	BASE, CTL HEAD
134	3-687-140-01	o	BRACKET, CTL HEAD
135	3-687-141-01	o	BRACKET, FE HEAD
136	3-687-142-01	o	SPACER, CTL HEAD
137	3-687-143-01	o	SCREW (M2.6x9.4), HEAD CLAMP
138	3-698-732-01	o	SUPPORT (B), AU HEAD
139	3-698-750-01	o	ADJUSTOR, Y
140	3-699-218-01	o	HOLDER, L-SW
141	3-699-219-02	o	BRACKET, MAGNET
142	3-699-284-01	s	SPRING, TENSION
143	3-701-439-01	s	WASHER, POLY 3 MM DIA., 0.13T
145	3-703-502-01	s	SCREW, 1.4 x 1.6
146	3-703-502-41	s	SCREW, 1.4 x 3.5
147	3-717-120-01	s	SPACER, FLANGE
148	3-717-120-11	s	SPACER, FLANGE
149	3-717-120-21	s	SPACER, FLANGE
150	3-717-120-31	s	SPACER, FLANGE
151	3-719-124-01	o	BRACKET (1), AT HEAD
152	3-719-125-01	o	BRACKET (2), AT HEAD
153	3-719-126-01	o	PLATE (A), SHIELD, AT
154	3-719-127-01	o	PLATE (B), SHIELD, AT
155	3-719-212-01	o	DRUM COVER
156	8-825-554-83	s	HEAD, CTL (PS244-21B)
157	8-825-623-31	s	HEAD, ATAC (EPS244-2103C)
158	8-825-770-72	s	HEAD, FE (EF291-21)
159	8-835-261-01	s	MOTOR, DC (BHF-1920A)
160	3-719-238-01	o	PLATE (B), SHIELD, EJ
161	X-3717-113-2	s	PULLEY ASSY, DRUM
162	3-676-137-02	s	FLANGE, TAPE ROLLER

REEL CHASSIS REEL CHASSIS

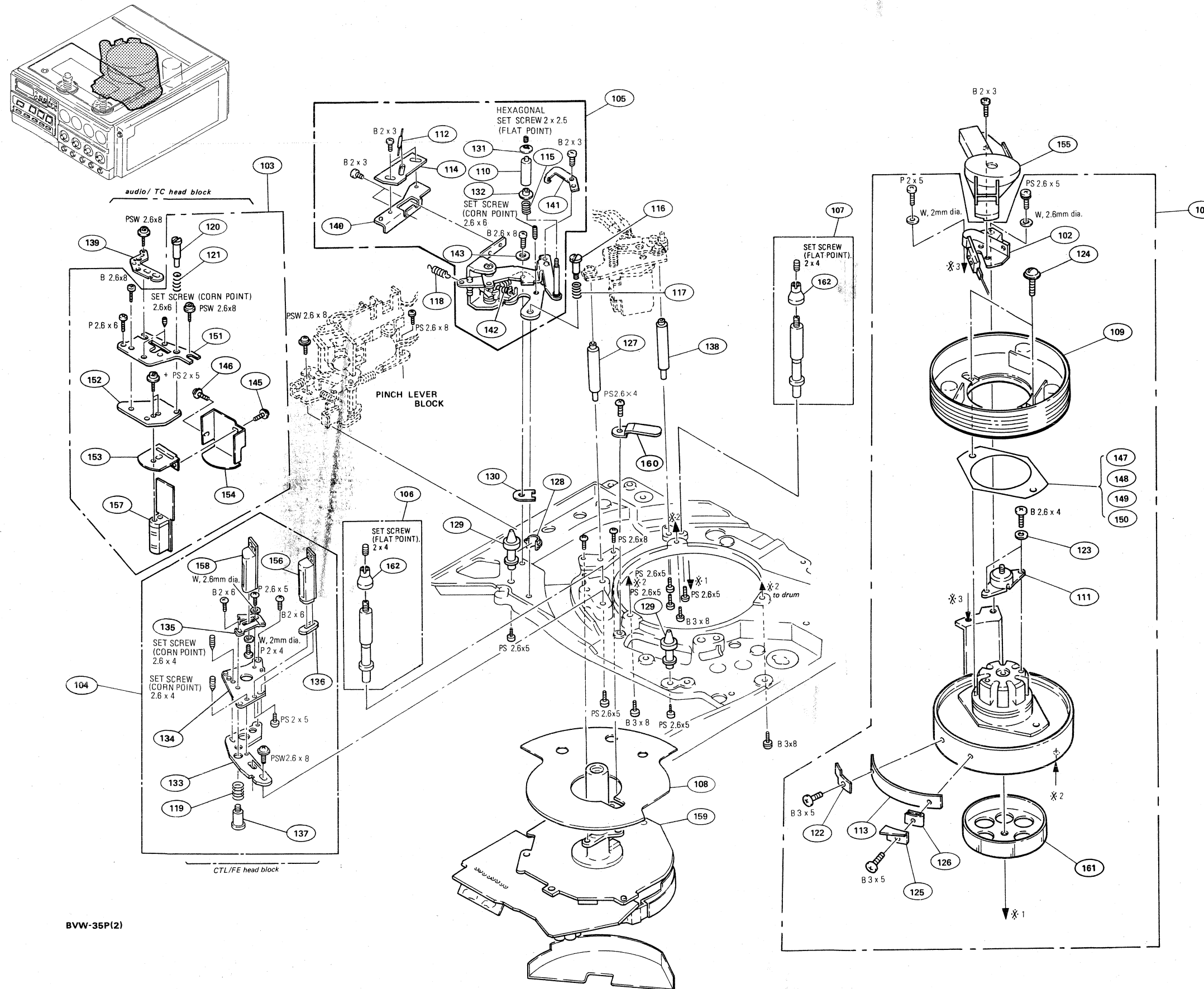
Reel Chassis Block



BVW-35P(2)

No.	Part No.	SP	Description
1	X-2621-026-1	o	SOLENOID ASSY, BRAKE
2	X-3682-802-0	o	BRACKET ASSY
3	X-3682-803-2	o	UNLOCK ASSY
4	X-3682-804-0	o	BRACKET ASSY, MOTOR
5	X-3682-805-0	o	LEVER ASSY, TR SOLENOID
6	X-3682-807-1	s	GEAR ASSY, LAST STEP
7	X-3682-809-0	s	SWITCH ASSY, C-LOCK
8	X-3682-811-0	s	BAND ASSY, TR
9	X-3719-110-1	o	BASE ASSY, SW
10	X-3719-111-1	o	BASE ASSY, DETECTION, C
11	1-454-334-51	s	SOLENOID, PLUNGER
12	1-570-028-11	s	SWITCH, MICRO
13	1-571-064-11	s	SWITCH, MICRO
14	1-611-117-11	o	PRINTED CIRCUIT BOARD, DU-39
15	1-622-899-12	o	PRINTED CIRCUIT BOARD, SW-203
16	1-622-900-12	o	PRINTED CIRCUIT BOARD, CS-22
17	2-621-040-01	s	SPACER (A)
18	2-621-040-11	s	SPACER (B)
19	3-568-321-00	s	SPRING, TENSION
20	3-570-615-00	s	POLY-WASHER (DIA.1.2)
21	3-676-277-00	o	SHAFT, CASSETTE-IN
22	3-682-818-00	s	GEAR, MIDWAY
23	X-3719-145-1	o	ARM ASSY, LOCK, CASSETTE-UP COMPARTMENT
24	3-682-824-00	o	SPRING, TORSION
25	3-682-825-00	o	ROLLER
26	3-682-842-00	s	WHEEL, WORM
27	3-682-845-00	o	BRACKET, TRANSFORMER BAND
28	3-682-847-00	o	CLAMP, LEAD
29	3-698-705-01	o	BRACKET (A), M-SW
30	3-698-706-01	o	BRACKET (B), M-SW
31	3-701-439-21	s	WASHER, POLY 3 MM DIA., 0.50T
32	3-719-118-01	s	ACTUATOR
33	3-719-119-01	s	SPRING, COMPRESSION
34	3-719-120-01	o	BRACKET, TR SOLENOID
35	3-719-121-01	o	PLATE, LEVER TR
36	8-835-067-01	s	MOTOR, DC (DNR-5300A)
37	8-838-059-03	s	MOTOR, DC (BHF-1801B)
38	A-6751-182-C	o	LOCK AND UNLOCK ASSY

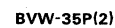
Drum, Stationary Heads, Tape Guides and Capstan Blocks



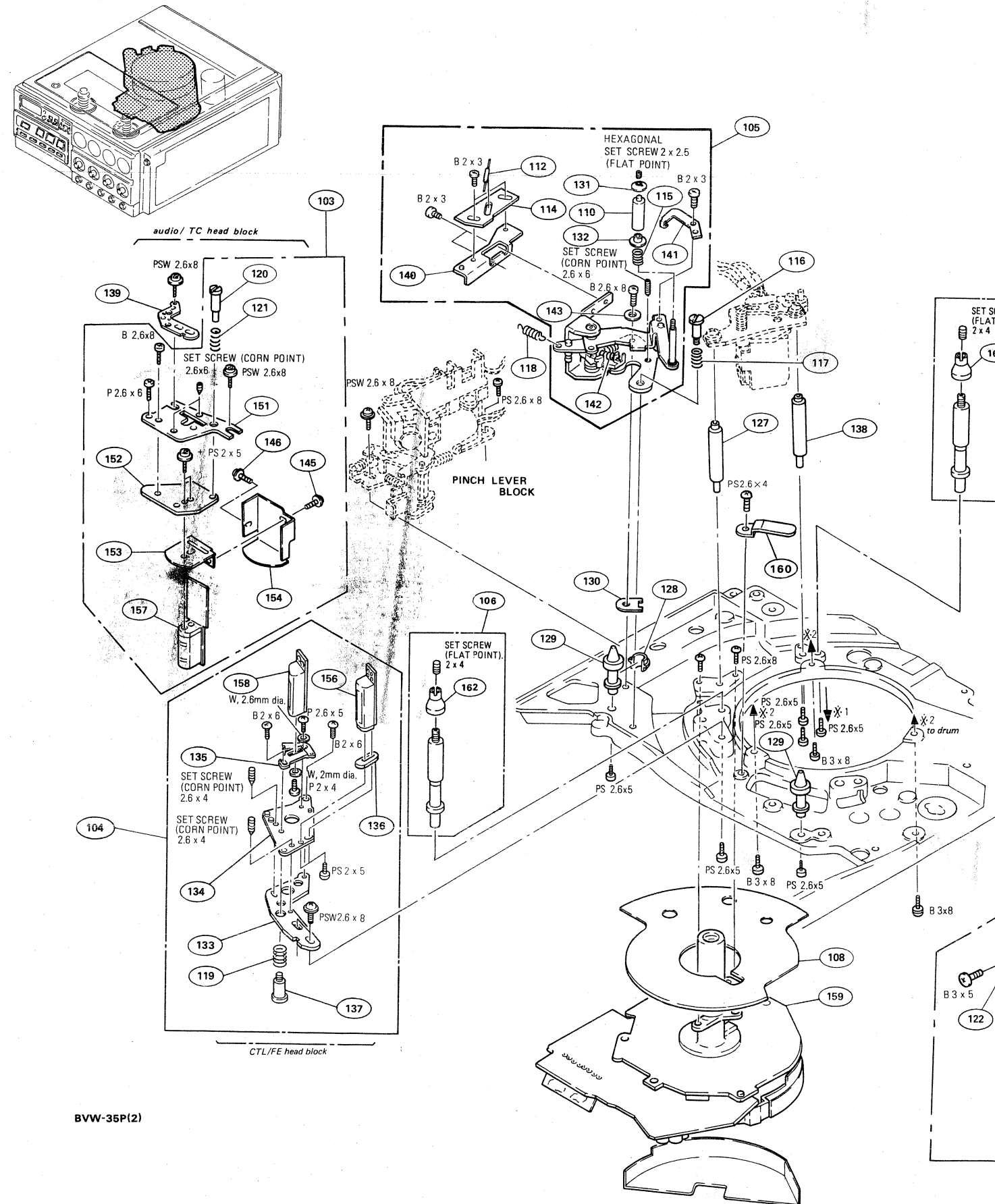
BVW-35P(2)

No.	Part No.	SP	Description
101	A-6050-525-A	s	HEAD DRUM ASSY (DBH-04A-R)
102	A-6050-655-A	s	BRUSH ASSY
103	A-6736-072-A	o	HEAD ASSY, ATAC
104	A-6736-073-B	o	HEAD ASSY, CTL
105	A-6742-060-D	s	TENSION REGULATOR ASSY
106	A-6746-023-A	s	GUIDE ASSY, ENTRANCE
107	A-6746-024-A	s	GUIDE ASSY, EXIT
108	A-6759-147-A	o	SHIELD ASSY, CAPSTAN
109	A-6762-334-A	s	DRUM ASSY, UPPER, ROTARY (DBR-04-R)
110	X-3675-851-0	s	ROLLER ASSY, TR
111	A-6050-657-A	s	RING ASSY, SLIP
112	1-570-816-11	s	SWITCH, REED
113	1-586-633-00	s	DETECTOR, DEW
114	1-617-189-12	o	PRINTED CIRCUIT BOARD, SWC-3
115	2-618-901-00	s	SPRING
116	3-145-535-01	s	SCREW, HEAD
117	3-428-132-00	s	SPRING, COMPRESSION
118	3-535-346-00	s	SPRING, TENSION
119	3-564-121-00	s	SPRING, COMPRESSION
120	3-643-451-00	s	SCREW, AZIMUTH ADJUSTMENT
121	3-653-350-00	s	SPRING, COMPRESSION
122	3-675-701-00	o	TERMINAL BOARD
123	3-675-702-00	o	WASHER, INSULATING
124	3-675-740-00	s	EXT TOOTH (W) (MIDDLE)
125	3-675-756-02	o	STOPPER (A), TAPE
126	3-675-757-01	o	TERMINAL, GROUND
127	3-676-013-00	o	SUPPORT (A), AU HEAD
128	3-676-018-00	o	STOPPER, TENSION REGULATOR
129	3-676-177-00	o	SHAFT, CG
130	3-676-208-00	o	PLATE, SINK
131	3-677-752-00	s	NUT, ADJUSTMENT, T
132	3-682-953-02	s	RETAINER, T
133	3-687-139-01	o	BASE, CTL HEAD
134	3-687-140-01	o	BRACKET, CTL HEAD
135	3-687-141-01	o	BRACKET, FE HEAD
136	3-687-142-01	o	SPACER, CTL HEAD
137	3-687-143-01	o	SCREW (M2.6x9.4), HEAD CLAMP
138	3-698-732-01	o	SUPPORT (B), AU HEAD
139	3-698-750-01	o	ADJUSTOR, Y
140	3-699-218-01	o	HOLDER, L-SW
141	3-699-219-02	o	BRACKET, MAGNET
142	3-699-284-01	s	SPRING, TENSION
143	3-701-439-01	s	WASHER, POLY 3 MM DIA., 0.13T
145	3-703-502-01	s	SCREW, 1.4 x 1.6
146	3-703-502-41	s	SCREW, 1.4 x 3.5
147	3-717-120-01	s	SPACER, FLANGE
148	3-717-120-11	s	SPACER, FLANGE
149	3-717-120-21	s	SPACER, FLANGE
150	3-717-120-31	s	SPACER, FLANGE
151	3-719-124-01	o	BRACKET (1), AT HEAD
152	3-719-125-01	o	BRACKET (2), AT HEAD
153	3-719-126-01	o	PLATE (A), SHIELD, AT
154	3-719-127-01	o	PLATE (B), SHIELD, AT
155	3-719-212-01	o	DRUM COVER
156	8-825-554-83	s	HEAD, CTL (PS244-21B)
157	8-825-623-31	s	HEAD, ATAC (EPS244-2103C)
158	8-825-770-72	s	HEAD, FE (EF291-21)
159	8-835-261-01	s	MOTOR, DC (BHF-1920A)
160	3-719-238-01	o	PLATE (B), SHIELD, EJ
161	X-3717-113-2	s	PULLEY ASSY, DRUM
162	3-676-137-02	s	FLANGE, TAPE ROLLER

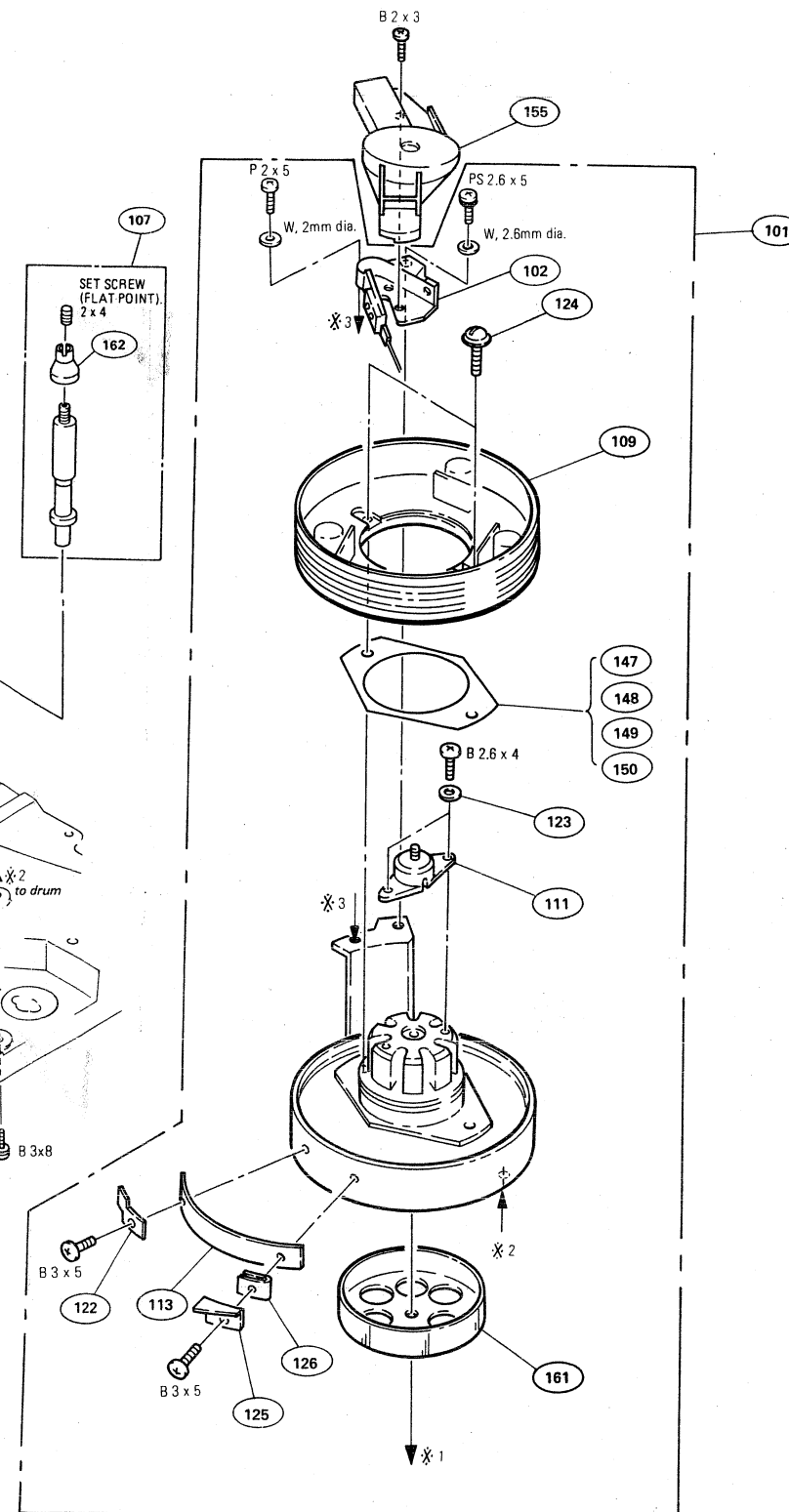
REEL CHASSIS



Drum, Stationary Heads, Tape Guides and Capstan Blocks

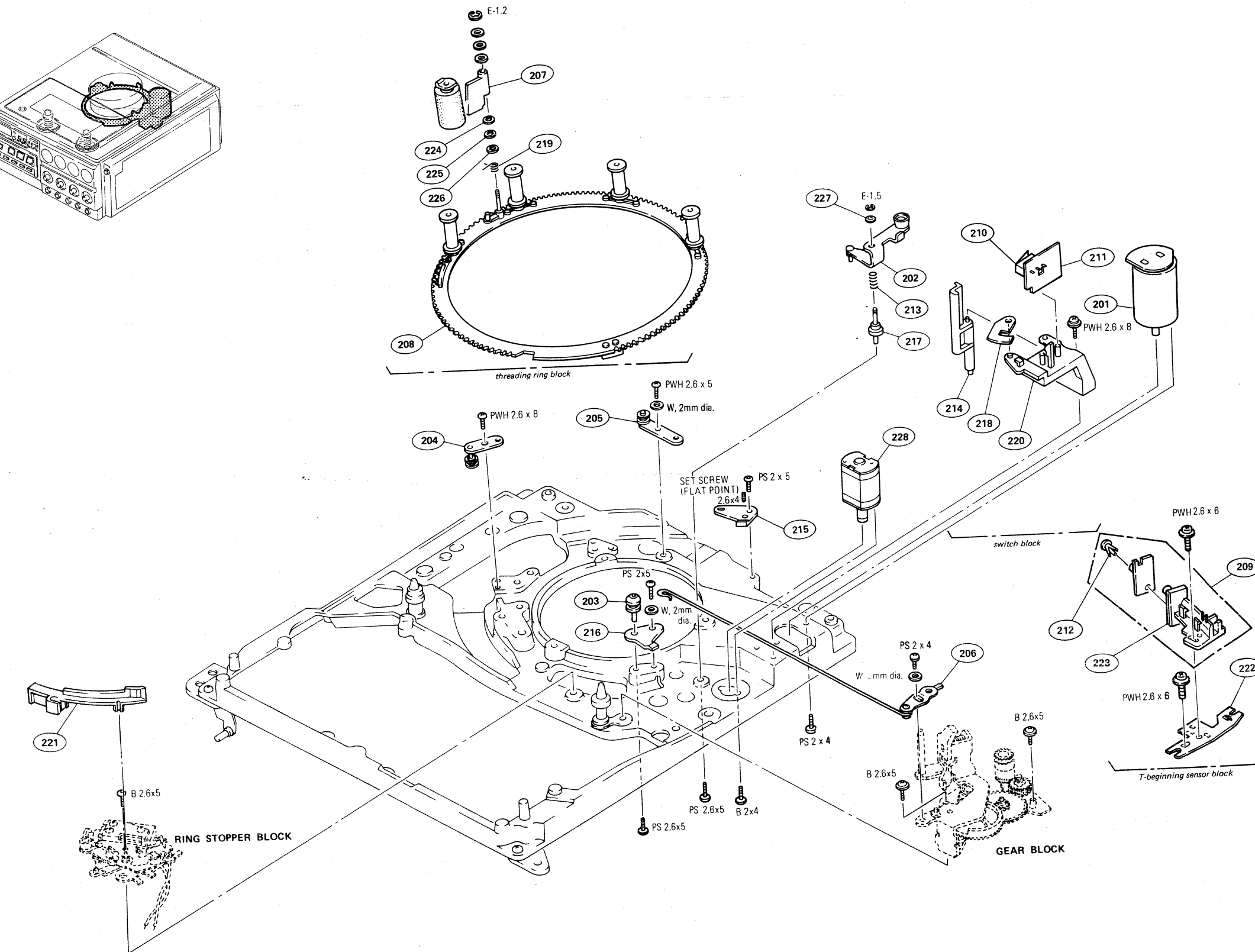
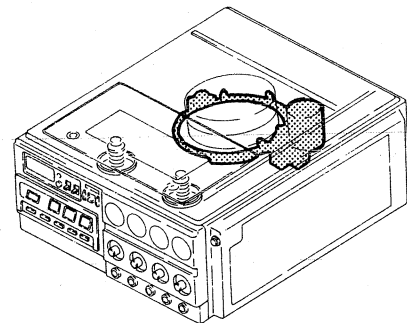


BVW-35P(2)



No.	Part No.	SP	Description
101	A-6050-525-A	s	HEAD DRUM ASSY (DBH-04A-R)
102	A-6050-655-A	s	BRUSH ASSY
103	A-6736-072-A	o	HEAD ASSY, ATAC
104	A-6736-073-B	o	HEAD ASSY, CTL
105	A-6742-060-D	s	TENSION REGULATOR ASSY
106	A-6746-023-A	s	GUIDE ASSY, ENTRANCE
107	A-6746-024-A	s	GUIDE ASSY, EXIT
108	A-6759-147-A	o	SHIELD ASSY, CAPSTAN
109	A-6762-334-A	s	DRUM ASSY, UPPER, ROTARY (DBR-04-R)
110	X-3675-851-0	s	ROLLER ASSY, TR
111	A-6050-657-A	s	RING ASSY, SLIP
112	1-570-816-11	s	SWITCH, REED
113	1-586-633-00	s	DETECTOR, DEW
114	1-617-189-12	o	PRINTED CIRCUIT BOARD, SWC-3
115	2-618-901-00	s	SPRING
116	3-145-535-01	s	SCREW, HEAD
117	3-428-132-00	s	SPRING, COMPRESSION
118	3-535-346-00	s	SPRING, TENSION
119	3-564-121-00	s	SPRING, COMPRESSION
120	3-643-451-00	s	SCREW, AZIMUTH ADJUSTMENT
121	3-653-350-00	s	SPRING, COMPRESSION
122	3-675-701-00	o	TERMINAL BOARD
123	3-675-702-00	o	WASHER, INSULATING
124	3-675-740-00	s	EXT TOOTH (W) (MIDDLE)
125	3-675-756-02	o	STOPPER (A), TAPE
126	3-675-757-01	o	TERMINAL, GROUND
127	3-676-013-00	o	SUPPORT (A), AU HEAD
128	3-676-018-00	o	STOPPER, TENSION REGULATOR
129	3-676-177-00	o	SHAFT, CG
130	3-676-208-00	o	PLATE, SINK
131	3-677-752-00	s	NUT, ADJUSTMENT, T
132	3-682-953-02	s	RETAINER, T
133	3-687-139-01	o	BASE, CTL HEAD
134	3-687-140-01	o	BRACKET, CTL HEAD
135	3-687-141-01	o	BRACKET, FE HEAD
136	3-687-142-01	o	SPACER, CTL HEAD
137	3-687-143-01	o	SCREW (M2.6x3.4), HEAD CLAMP
138	3-698-732-01	o	SUPPORT (B), AU HEAD
139	3-698-750-01	o	ADJUSTOR, Y
140	3-699-218-01	o	HOLDER, L-SW
141	3-699-219-02	o	BRACKET, MAGNET
142	3-699-284-01	s	SPRING, TENSION
143	3-701-439-01	s	WASHER, POLY 3 MM DIA., 0.13T
145	3-703-502-01	s	SCREW, 1.4 x 1.6
146	3-703-502-41	s	SCREW, 1.4 x 3.5
147	3-717-120-01	s	SPACER, FLANGE
148	3-717-120-11	s	SPACER, FLANGE
149	3-717-120-21	s	SPACER, FLANGE
150	3-717-120-31	s	SPACER, FLANGE
151	3-719-124-01	o	BRACKET (1), AT HEAD
152	3-719-125-01	o	BRACKET (2), AT HEAD
153	3-719-126-01	o	PLATE (A), SHIELD, AT
154	3-719-127-01	o	PLATE (B), SHIELD, AT
155	3-719-212-01	o	DRUM COVER
156	8-825-554-83	s	HEAD, CTL (PS244-21B)
157	8-825-623-31	s	HEAD, ATAC (EPS244-2103C)
158	8-825-770-72	s	HEAD, FE (EF291-21)
159	8-835-261-01	s	MOTOR, DC (BHF-1920A)
160	3-719-238-01	o	PLATE (B), SHIELD, EJ
161	X-3717-113-2	s	PULLEY ASSY, DRUM
162	3-676-137-02	s	FLANGE, TAPE ROLLER

Threading Ring, Motors and Switch Blocks



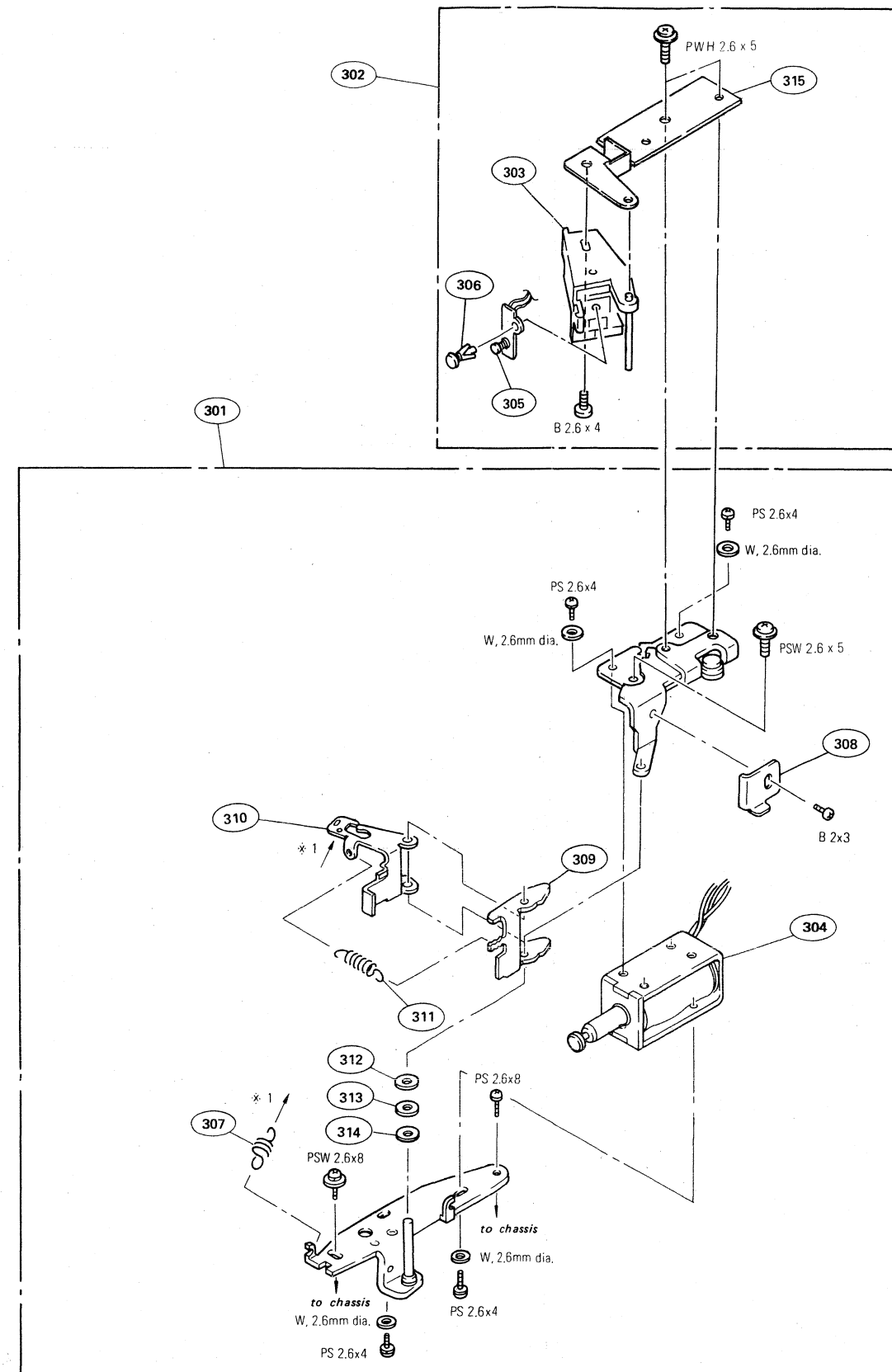
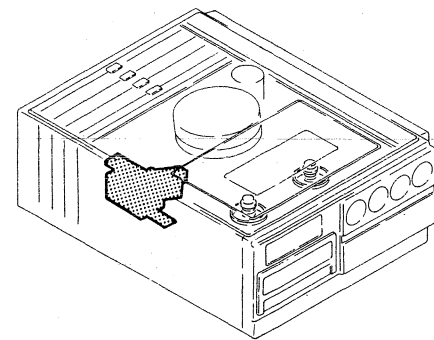
No.	Part No.	SP	Description
201	A-6737-186-B	s	MOTOR ASSY, DRUM
202	X-3676-003-0	s	ARM ASSY
203	X-3676-006-0	o	SHAFT ASSY, RING ROLLER
204	X-3676-007-0	o	PLATE ASSY, RG
205	X-3676-008-0	o	PLATE ASSY, ADJUSTMENT, ROLLER
206	X-3676-016-0	s	ROD ASSY, PULL
207	X-3676-031-4	s	PINCH ARM ASSY
208	X-3676-055-5	s	RING SUB ASSY, THREADING
209	1-543-211-21	s	HEAD, SENSING (SMALL TYPE)
210	1-553-650-11	s	SWITCH, MICRO
211	1-611-120-11	o	PRINTED CIRCUIT BOARD, SW-24
212	2-279-715-01	s	RIVET, NYLON
213	3-573-964-00	s	SPRING, COMPRESSION
214	3-676-012-00	s	LEVER, SWITCH, UNTHREADING
215	3-676-034-00	o	STOPPER (B), RING
216	3-676-181-00	o	STOPPER (A), RING
217	3-676-228-00	o	SHAFT, ARM, UNTHREADING
218	3-676-301-00	o	PLATE, CORRECTION, SLANT GUIDE
219	3-676-304-00	s	SPRING
220	3-676-311-00	o	BASE, UNTHREADING SWITCH
221	3-676-312-00	o	GUIDE, PINCH ROLLER
222	3-682-848-00	o	ADJUSTOR, T SENSOR
223	3-682-849-00	o	HOLDER, T SENSOR
224	3-701-436-01	s	WASHER, POLY 1.6 MM DIA., 0.13T
225	3-701-436-11	s	WASHER, POLY 1.6 MM DIA., 0.25T
226	3-701-436-21	s	WASHER, POLY 1.6 MM DIA., 0.50T
227	3-701-437-11	s	WASHER, POLY 2 MM DIA., 0.25T
228	8-835-150-01	s	MOTOR, DC (SP-0873)

BVW-35P(1)

PINCH PRESS MECHANISM, TAPE-END SENSOR

PINCH PRESS MECHANISM, TAPE-END SENSOR

Pinch Press Mechanism and Tape-end Sensor Blocks

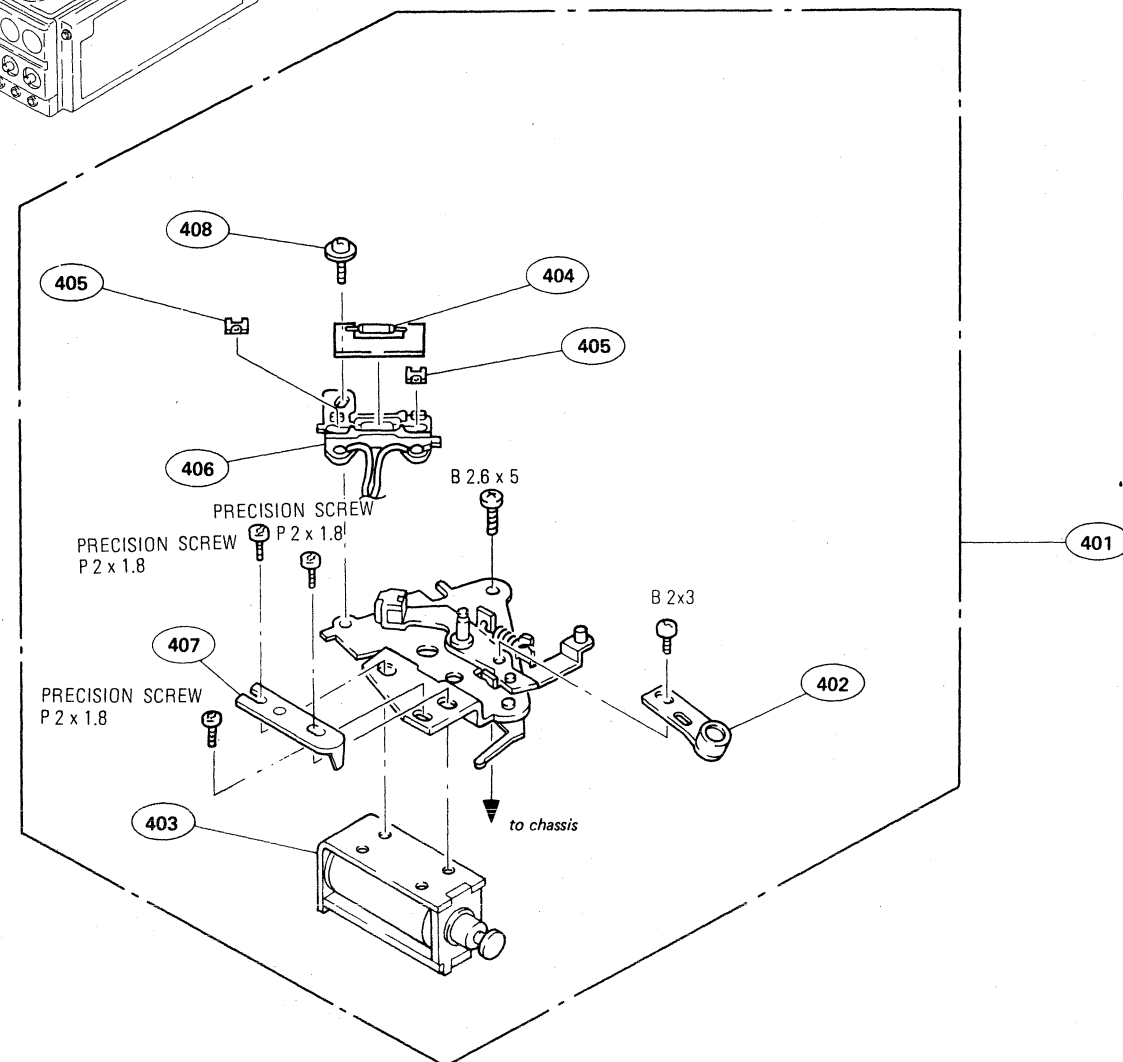
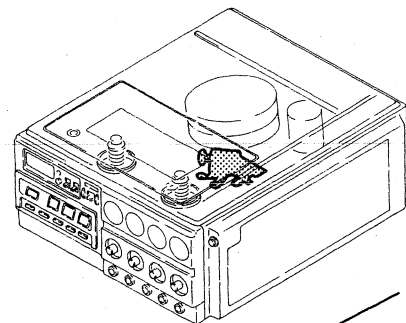


BVW-35P(1)

No.	Part No.	SP	Description
301	A-6749-120-B	s	PRESS ASSY, PINCH
302	A-6767-474-B	s	SENSOR ASSY, END
303	X-3719-112-1	o	BRACKET ASSY, END SENSOR
304	1-454-340-41	s	SOLENOID, PLUNGER
305	1-543-316-21	s	HEAD, SENSING (SMALL TYPE)
306	2-279-715-01	s	RIVET, NYLON
307	3-567-110-00	s	SPRING, TENSION
308	3-676-095-00	o	RETAINER, ARM
309	3-676-246-00	o	LEVER (A), PINCH PRESS
310	3-676-263-03	o	LEVER (B), PINCH PRESS
311	3-678-774-00	s	SPRING, TENSION
312	3-701-437-01	s	WASHER, POLY 2 MM DIA., 0.13T
313	3-701-437-11	s	WASHER, POLY 2 MM DIA., 0.25T
314	3-701-437-21	s	WASHER, POLY 2 MM DIA., 0.50T
315	3-719-128-02	o	BRACKET, SENSOR ASSY

RING STOPPER GEAR

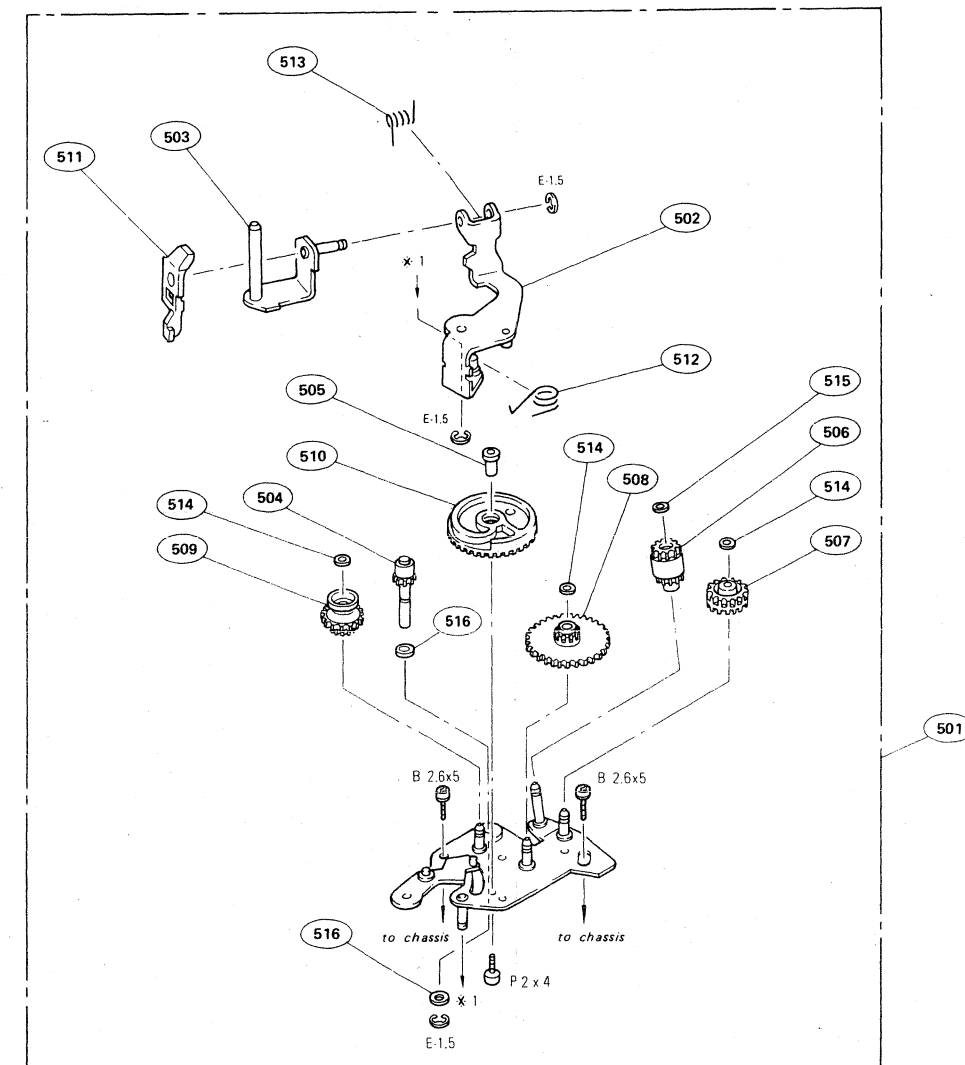
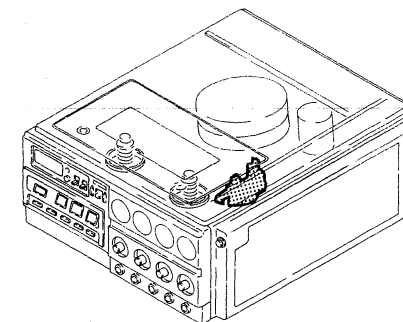
Ring Stopper Assembly Block



BVW-35P(1)

No.	Part No.	SP	Description
401	A-6747-250-A	s	STOPPER ASSY, RING
402	X-3676-029-0	s	ARM (B) ASSY, STOPPER
403	1-454-360-21	s	SOLENOID, PLUNGER
404	1-570-816-11	s	SWITCH, REED
405	3-676-062-00	s	TERMINAL, SWITCH
406	3-676-255-00	s	HOLDER, SWITCH
407	3-682-972-01	o	SPRING
408	3-703-502-22	s	SCREW

Gear Assembly Block



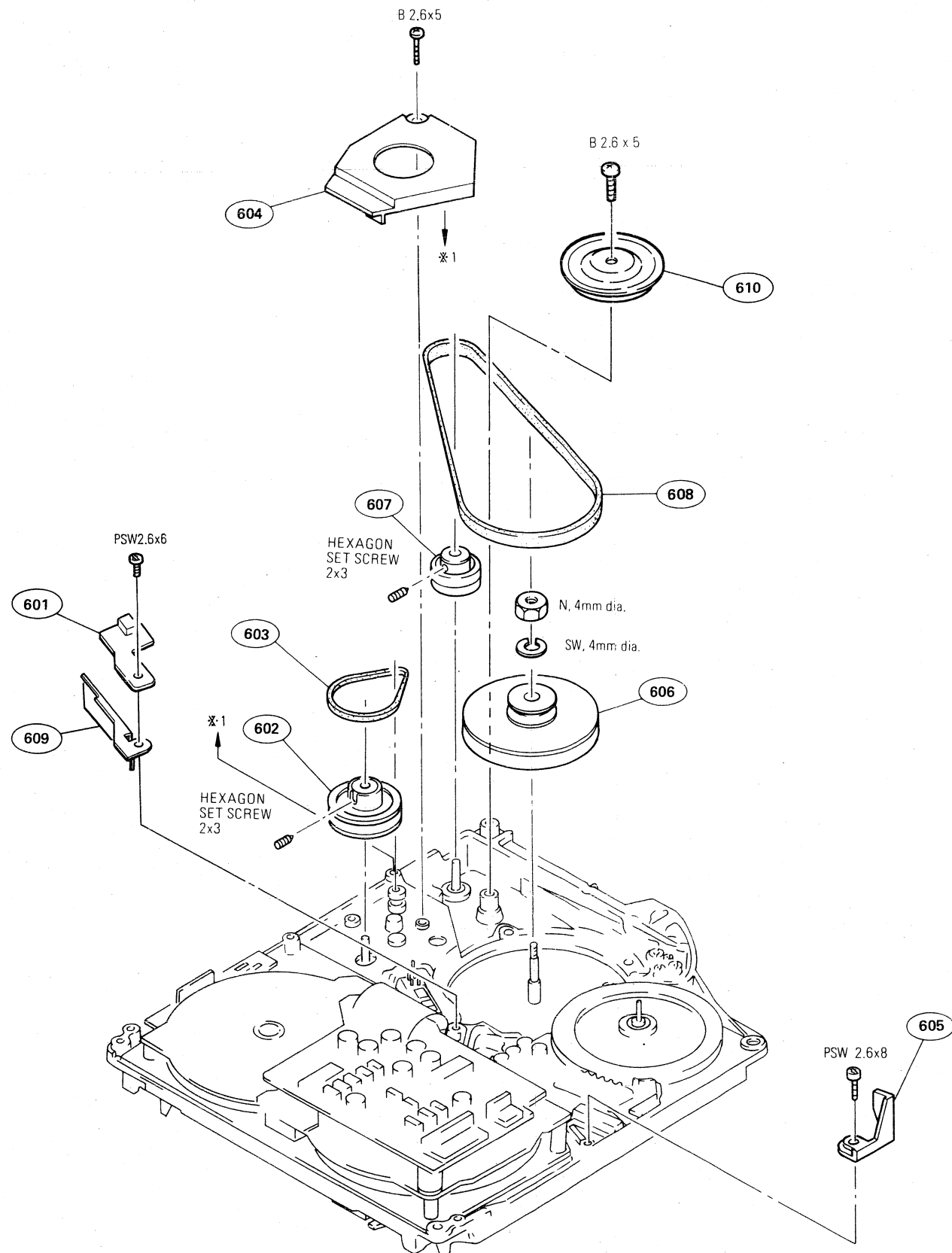
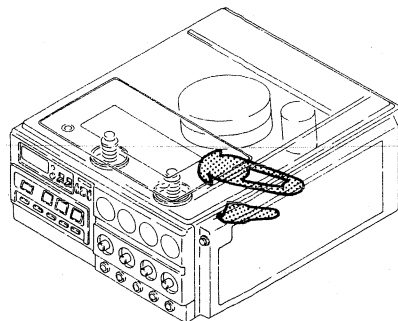
BVW-35P(1)

No.	Part No.	SP	Description
501	A-6750-138-F	s	GEAR BLOCK ASSY
502	X-3676-038-2	o	ARM ASSY, PULL
503	X-3676-039-0	s	LINK ASSY, SLANT
504	X-3676-050-0	s	GEAR ASSY, MOTHER
505	3-676-133-00	o	SHAFT, CAM
506	3-676-156-00	s	GEAR, RING DRIVE
507	3-676-157-00	s	GEAR, TRANSFER
508	3-676-160-00	s	GEAR, DECELERATION
509	3-676-167-00	s	PULLEY, EJECT
510	3-676-260-00	s	CAM, DRAWER
511	3-676-306-04	o	TRAVELER, TAPE
512	3-676-308-00	o	SPRING
513	3-676-309-03	o	SPRING
514	3-676-387-00	s	POLY-SLIDER (DIA.1.6)
515	3-701-436-11	s	WASHER, POLY 1.6 MM DIA., 0.25T
516	3-701-437-11	s	WASHER, POLY 2 MM DIA., 0.25T

REEL CHASSIS (BACK SIDE)

REEL CHASSIS (BACK SIDE)

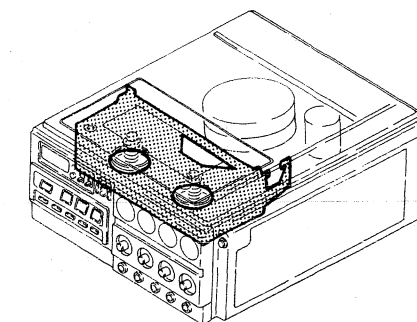
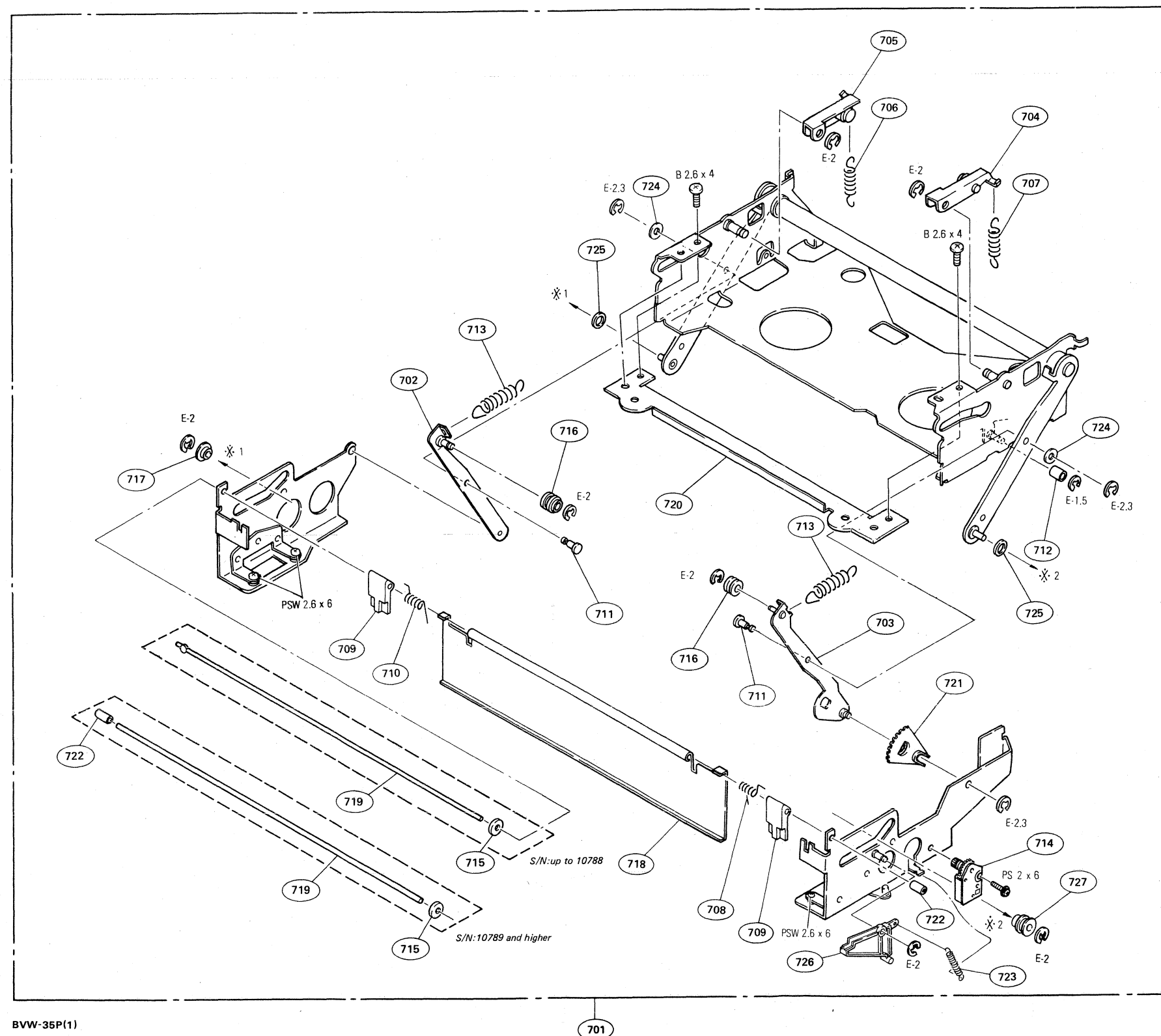
Reel Chassis Block (Back Side)



No.	Part No.	SP	Description
601	1-623-354-12	o	PRINTED CIRCUIT BOARD, DS-23
602	3-676-166-00	s	PULLEY, DECELERATION
603	3-676-303-00	s	BELT, T.H MOTOR
604	3-676-381-00	o	COVER, T PULLEY
605	3-682-902-02	o	STOPPER, CAPSTAN
606	X-3717-113-1	o	PULLEY ASSY, DRUM
607	3-719-122-02	s	PULLEY, D MOTOR
608	3-719-123-01	s	BELT, DRUM
609	3-719-137-01	o	PLATE, SHIELD, E.J
610	3-719-211-01	o	RETAINER, BELT

CASSETTE-UP COMPARTMENT CASSETTE-UP COMPARTMENT

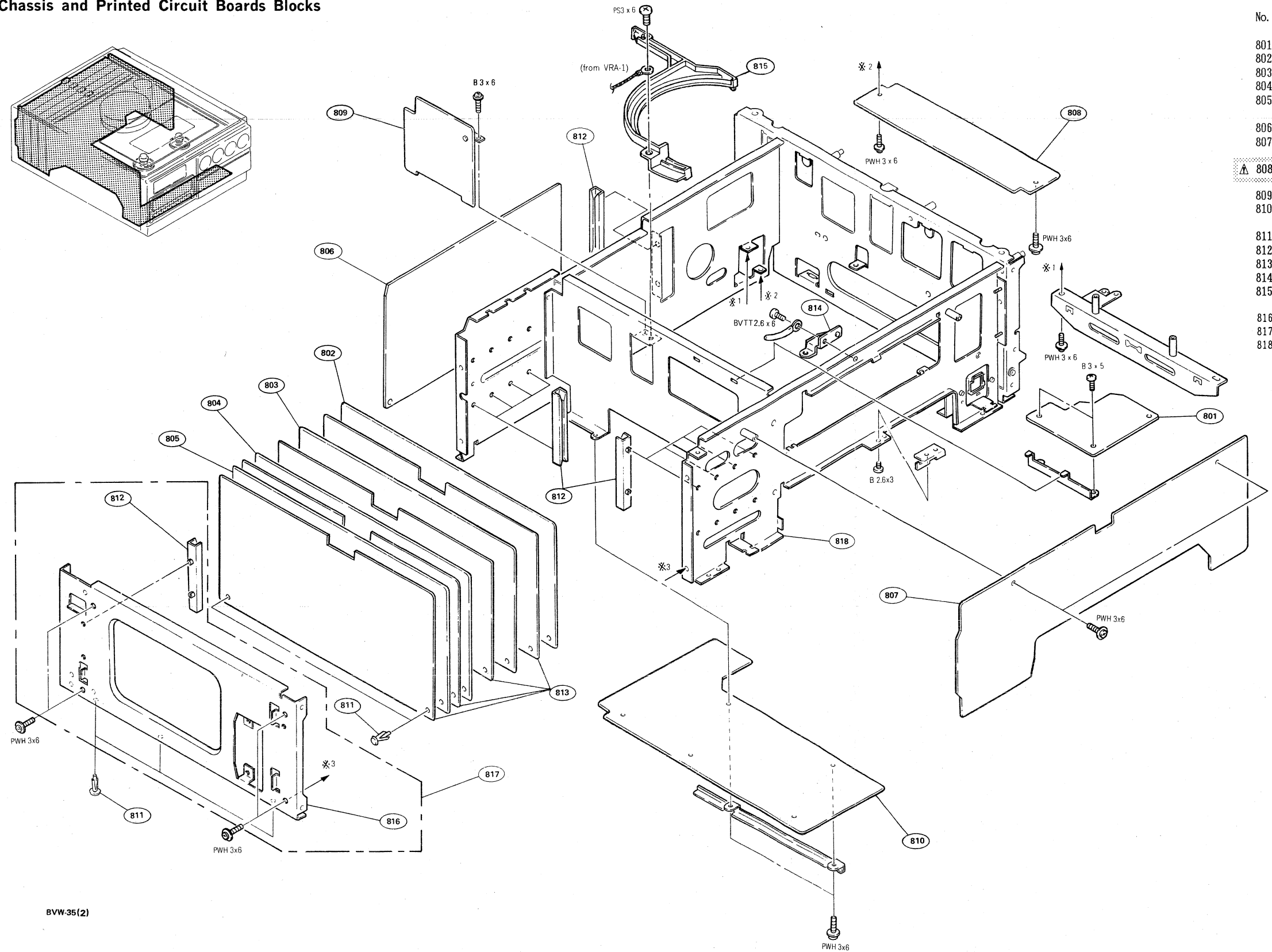
Cassette-up Compartment Block



No.	Part No.	SP	Description
701	A-6751-371-E	s	CASSETTE-UP COMPARTMENT ASSY
702	X-3719-106-1	o	ARM (A) (LEFT) ASSY
703	X-3719-107-1	o	ARM (A) (RIGHT) ASSY
704	X-3719-137-1	o	LEVER (RIGHT) ASSY, RETAINER
705	X-3719-138-1	o	LEVER (LEFT) ASSY, RETAINER
706	3-567-029-00	s	SPRING, TENSION
707	3-670-169-00	s	SPRING, TENSION
708	3-676-065-00	o	SPRING, TORSION
709	3-676-068-00	o	GUIDE, CASSETTE
710	3-676-069-00	o	SPRING, TORSION
711	3-676-148-03	o	SHAFT, ARM, CASSETTE COMPARTMENT
712	3-676-221-00	s	ROLLER, LOCK
713	3-678-787-00	o	SPRING, TENSION
714	3-681-528-00	o	DAMPER
715	3-701-436-11	s	WASHER, POLY 1.6MM DIA., 0.25T
716	3-719-111-01	s	ROLLER
717	3-719-112-01	s	ROLLER (B)
718	3-719-113-01	o	SHUTTER
719	3-719-114-03	o	SHAFT, SHUTTER
720	3-719-216-01	o	STAY, CASSETTE COMPARTMENT
721	3-719-215-01	o	GEAR, DAMPER
722	4-866-397-00	s	CUSHION, LED
723	3-542-481-00	s	SPRING, TENSION
724	3-701-439-11	s	WASHER, POLY 3MM DIA., 0.25T
725	3-701-442-21	s	WASHER, POLY 4.5MM DIA., 0.50T
726	3-719-235-01	s	STOPPER, CASSETTE-UP COMPARTMENT
727	3-719-233-01	s	ROLLER (C)

BVW-35P(1)

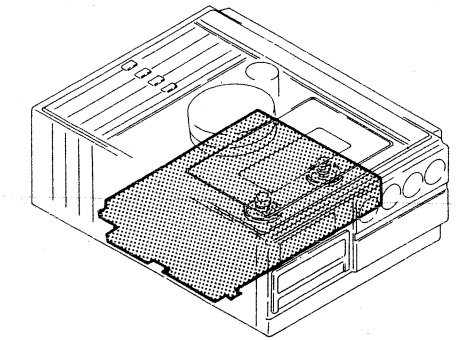
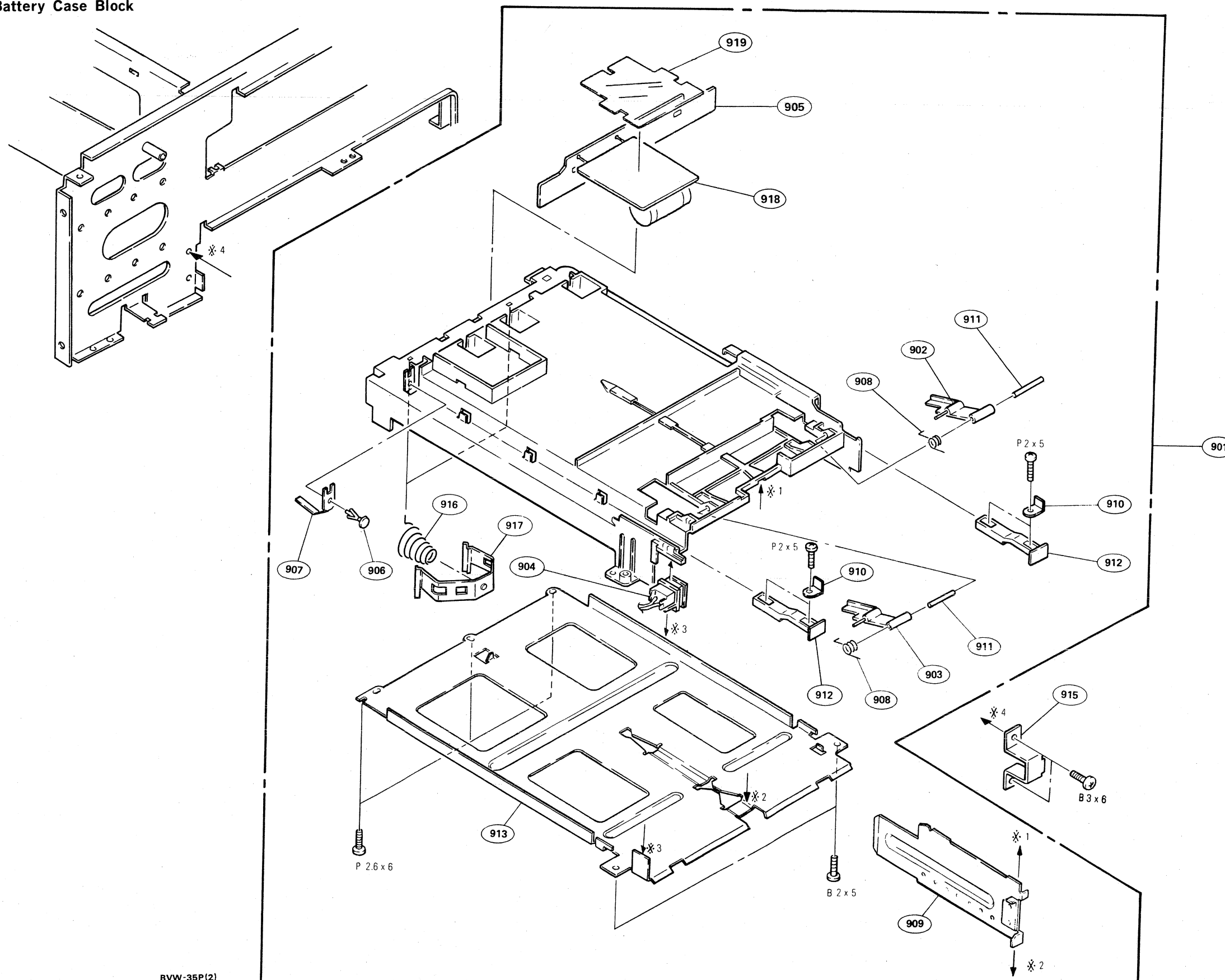
Chassis and Printed Circuit Boards Blocks



No.	Part No.	SP	Description
801	A-6711-831-B	o	MOUNTED CIRCUIT BOARD, VRA-1
802	A-6711-866-A	o	MOUNTED CIRCUIT BOARD, MDM-3P
803	A-6711-867-B	o	MOUNTED CIRCUIT BOARD, ENC-6P
804	A-6711-868-A	o	MOUNTED CIRCUIT BOARD, CEC-3P
805	A-6711-869-A	o	MOUNTED CIRCUIT BOARD, DEC-30
806	A-6713-326-A	o	MOUNTED CIRCUIT BOARD, AU-93P
807	A-6715-380-A	o	MOUNTED CIRCUIT BOARD, SV-94P
808	A-6715-381-A	o	MOUNTED CIRCUIT BOARD, SD-16P
809	A-6725-580-A	o	MOUNTED CIRCUIT BOARD, TC-45P
810	A-6729-537-A	o	MOUNTED CIRCUIT BOARD, MB-157
811	3-531-576-11	s	RIVET
812	3-673-676-01	o	RAIL, GUIDE, CHASSIS
813	3-698-748-01	o	SHEET, INSULATING
814	3-713-814-01	o	PLATE, INDICATION, VRA
815	3-719-243-01	o	GUARD, TAPE
816	3-698-769-01	o	PANEL, REAR
817	A-6730-856-A	o	PANEL ASSY, REAR
818	X-3698-721-7	o	PLATE SUB ASSY SIDE, LEFT

BATTERY CASE BATTERY CASE

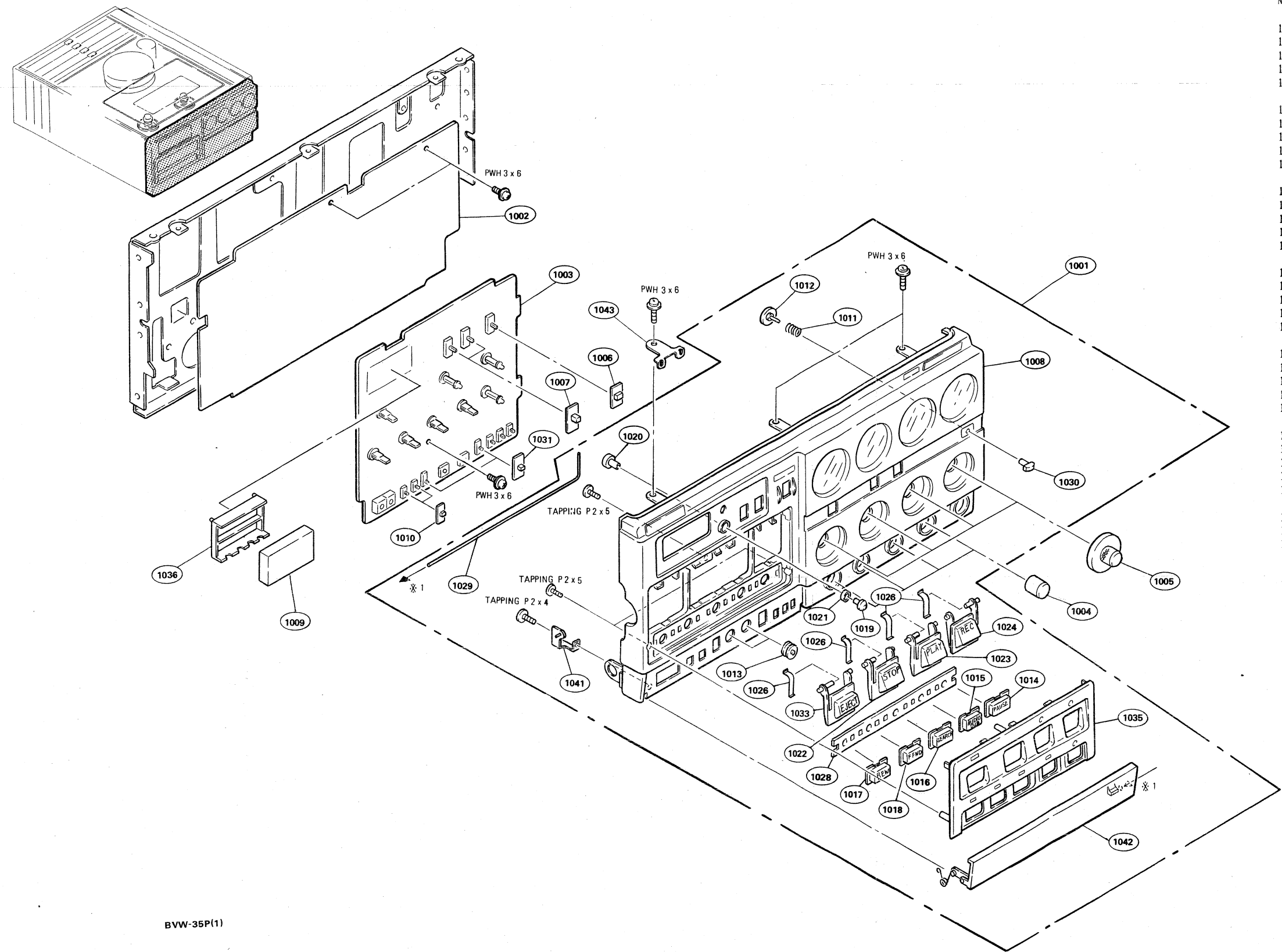
Battery Case Block



No.	Part No.	SP	Description
901	A-6771-170-A	o	CASE ASSY. BATTERY
902	X-3698-716-2	o	ARM ASSY (LEFT), LOCK
903	X-3698-717-2	o	ARM ASSY (RIGHT), LOCK
904	1-507-905-00	s	JACK, DC
905	1-622-898-12	o	PRINTED CIRCUIT BOARD, BC-14
906	2-279-715-01	s	RIVET, NYLON
907	3-698-716-02	s	CONTACT
908	3-698-717-01	s	SPRING
909	3-698-718-01	o	PARTITION
910	3-698-719-01	o	RETAINER
911	3-698-720-01	o	SHAFT (2x29)
912	3-698-756-02	s	BUTTON, RELEASE
913	3-698-765-02	o	PLATE, BOTTOM, B
915	3-719-138-01	o	RETAINER, CN
916	3-719-183-01	o	SPRING, COMPRESSION
917	3-719-184-01	o	COVER, SPRING
918	1-631-613-11	o	PRINTED CIRCUIT BOARD, BC-17
919	3-719-254-01	o	SHEET, INSULATING, BC-17

FRONT PANEL FRONT PANEL

Front Panel Block

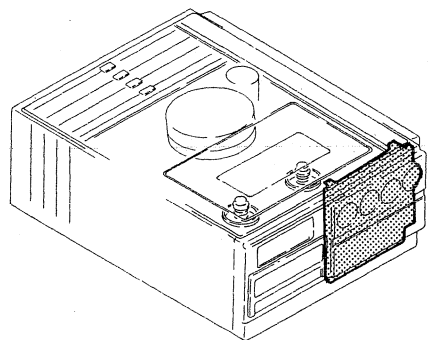


BVW-35P(1)

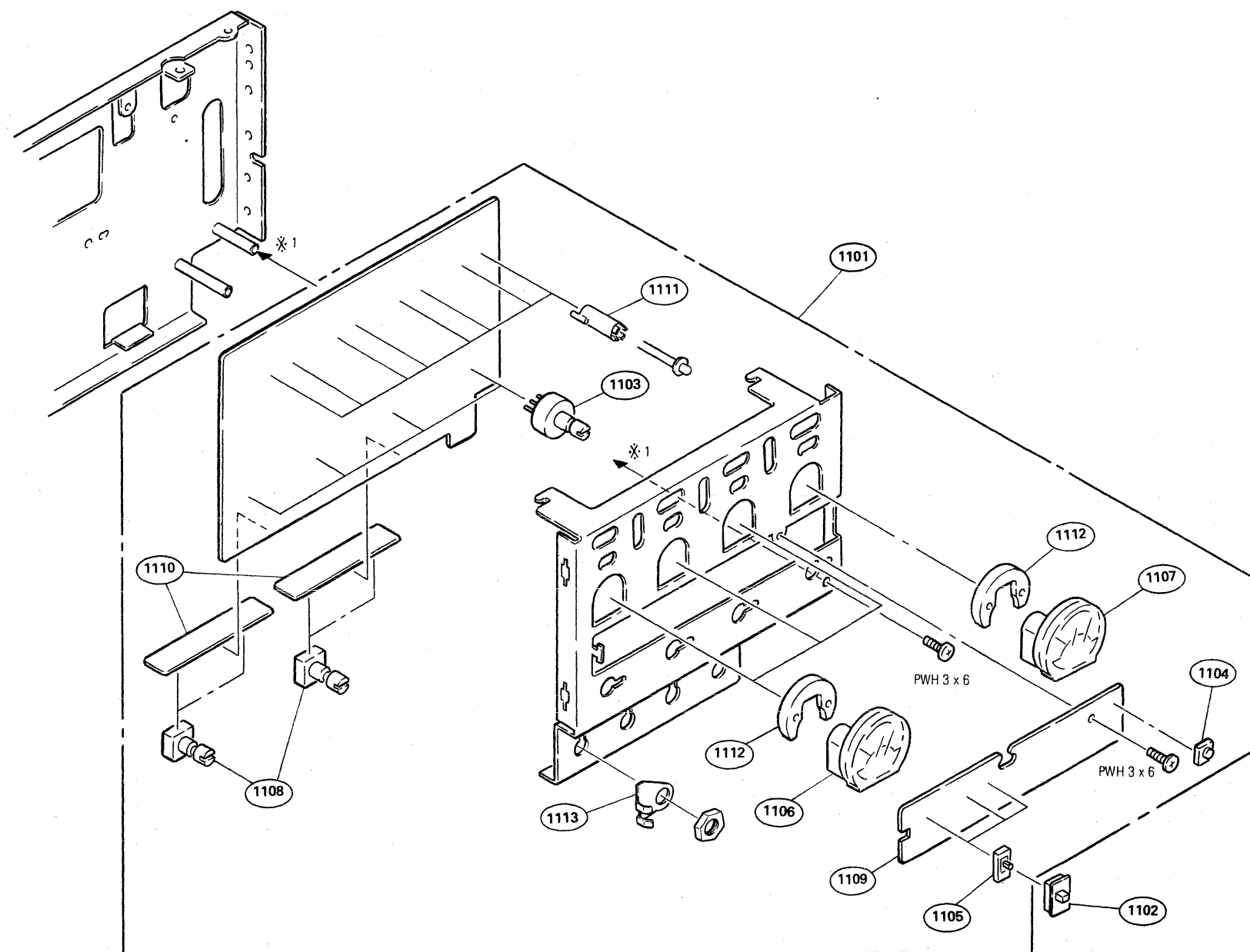
No.	Part No.	SP	Description
1001	A-6704-285-A	o	PANEL ASSY (P), FRONT
1002	A-6717-462-A	o	MOUNTED CIRCUIT BOARD, SY-110
1003	A-6717-467-A	o	MOUNTED CIRCUIT BOARD, KY-110P
1004	X-3664-208-0	s	KNOB ASSY, FADE
1005	X-3698-702-1	s	KNOB ASSY, VOLUME
1006	X-3719-113-1	s	KNOB ASSY
1007	X-3719-115-1	s	KNOB ASSY (3 POS)
1008	X-3719-139-1	o	PANEL SUB ASSY (P), FRONT
1009	1-807-981-11	s	DISPLAY PANEL, LIQUID CRYSTAL
1010	2-357-042-01	s	KNOB, SW
1011	3-567-063-00	s	SPRING, COMPRESSION
1012	3-668-009-02	s	PIN, PUSH BUTTON
1013	3-676-244-11	s	COVER, SW
1014	3-686-076-31	s	KEY TOP (B) (PAUSE)
1015	3-686-077-31	s	KEY TOP (A) (AUDIO DUB)
1016	3-686-077-41	s	KEY TOP (A) (SEARCH)
1017	3-686-077-51	s	KEY TOP (A) (REW)
1018	3-686-077-61	s	KEY TOP (A) (F FWD)
1019	3-686-084-01	s	PUSH BUTTON
1020	3-686-085-01	s	PIN, PUSH BUTTON
1021	3-686-086-01	s	CUSHION, BUTTON
1022	3-694-781-21	s	BUTTON (A) (STOP)
1023	3-694-781-31	s	BUTTON (A) (PLAY)
1024	3-694-782-11	s	BUTTON (B) (REC)
1026	3-719-148-01	o	SPRING
1027	3-719-149-01	o	SPRING
1028	3-719-150-01	o	CUSHION, KEY
1029	3-719-151-01	o	SHAFT, TC COVER
1030	3-719-152-01	s	BUTTON, PUSH
1031	3-719-156-01	s	KNOB (3P), SW
1033	3-719-165-01	s	BUTTON (EJECT)
1035	3-719-174-01	o	ESCUTCHEON, KEY
1036	3-719-182-11	o	HOLDER, LCD
1041	X-3719-136-1	o	PLATE ASSY, TC SPRING
1042	X-3719-134-1	s	KNOB ASSY, TC
1043	3-719-221-01	o	PLATE, GND (1)

METER PANEL METER PANEL

Meter Panel Block



No.	Part No.	SP	Description
1101	A-6731-154-A	o	PANEL ASSY, METER
1102	X-3719-114-1	s	KNOB ASSY (2 POSI)
1103	1-237-077-11	s	RES, VAR, CARBON 10K
1104	1-554-303-21	s	SWITCH, KEY BOARD
1105	1-570-857-11	s	SWITCH, SLIDE
1106	1-520-495-11	s	METER, LEVEL
1107	1-520-495-31	s	METER, LEVEL (A.V.B)
1108	1-237-790-21	s	RES, VAR, CARBON 10K
1109	1-622-890-13	o	PRINTED CIRCUIT BOARD, ASV-7
1110	1-623-217-12	o	PRINTED CIRCUIT BOARD, VR-64
1111	3-697-607-11	o	HOLDER (SU), LED
1112	3-719-133-01	o	CUSHION, METER
1113	3-719-222-01	o	PLATE, GND (1)



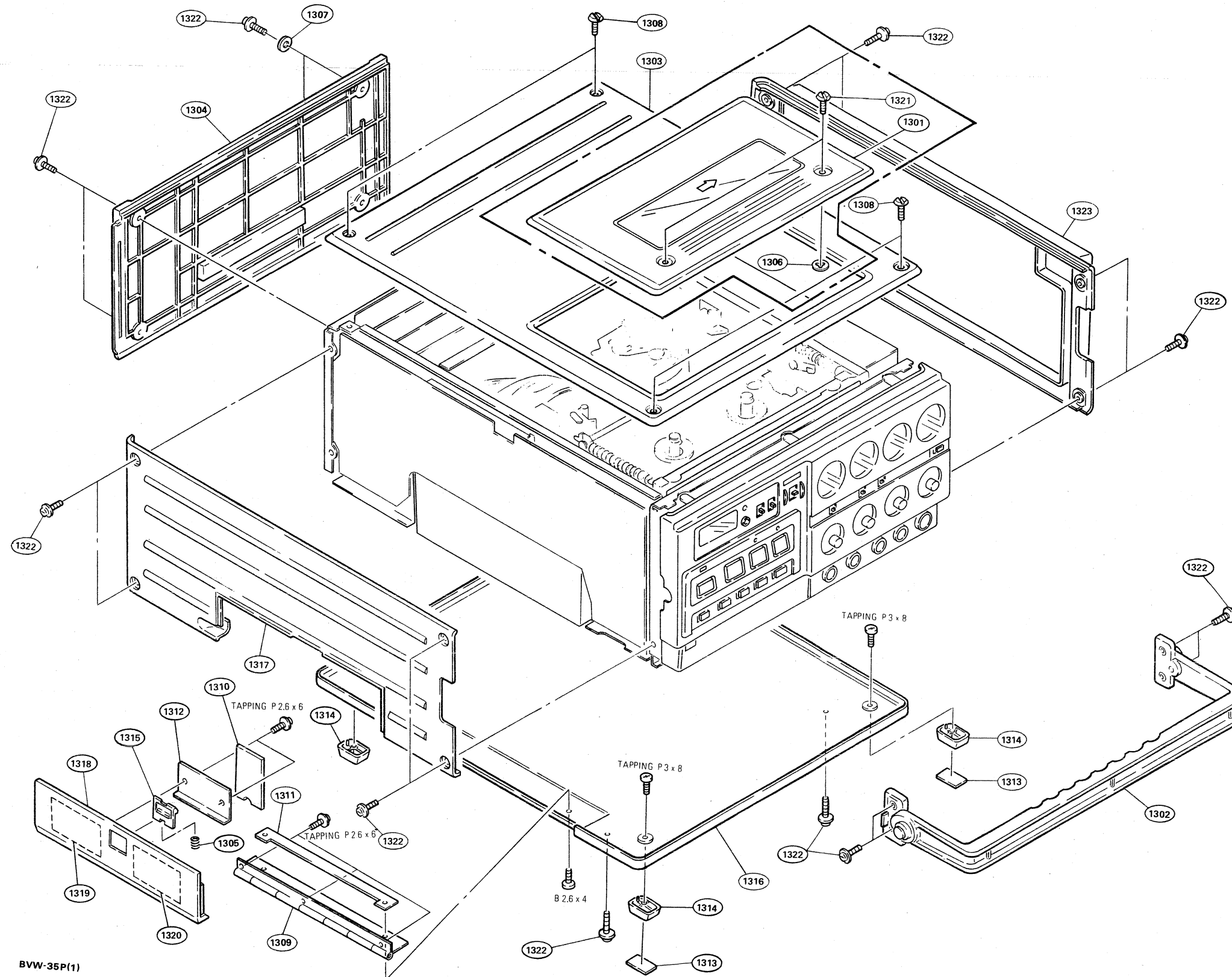
BVW-35P(1)

CONNECTOR PANEL, DC-DC CONVERTER

BVW-35P(1)

-26

ORNAMENTAL PANEL



No.	Part No.	SP	Description
1301	A-6703-665-A	s	LID ASSY, UPPER
1302	A-6703-666-A	o	HANDLE ASSY
1303	A-6704-210-E	o	PANEL ASSY, UPPER
1304	X-3719-119-1	o	CABINET (REAR) ASSY
1305	2-226-804-00	o	SPRING, COMPRESSION
1306	3-558-708-21	s	WASHER, STOPPER
1307	3-654-058-21	o	SPACER (3x2.5)
1308	3-676-089-03	s	SCREW, LID (4x9.5)
1309	3-698-721-01	o	HINGE
1310	3-698-722-01	o	CUSHION, B
1311	3-698-723-01	o	NUT, PLATE
1312	3-698-724-01	o	RETAINER, LID
1313	3-698-733-01	o	CUSHION
1314	3-698-746-01	o	LEG
1315	3-698-749-01	s	CLAW, LID LOCK
1316	3-698-771-01	o	PLATE, BOTTOM
1317	X-3719-144-3	o	CABINET ASSY, (LEFT)
1318	3-698-778-01	o	LID, BATTERY CASE
1319	3-699-240-02	o	LABEL (1), BATT
1320	3-699-241-01	o	LABEL (2), BATT
1321	3-719-158-01	s	SCREW (M3), LID
1322	3-719-159-01	s	SCREW (M3), (+ BW)
1323	3-719-178-01	o	CABINET (RIGHT)

16-3. ELECTRICAL PARTS LIST

ABBREVIATIONS

All capacitors are in micro farads unless otherwise specified.

All inductors are in micro henries unless otherwise specified.

All resistors are in ohms.

General Purpose Electrical Parts List

Parts that are not listed in the "reference numbers order list" are shown in following list.
Reference numbers are omitted.

Part No. SP Description

CAPACITOR, CERAMIC, SBL

1-161-039-00	s	CAP, CERAMIC	0.001	10%	50V
1-161-041-00	s	CAP, CERAMIC	0.0015	10%	50V
1-161-043-00	s	CAP, CERAMIC	0.0022	10%	50V
1-161-045-00	s	CAP, CERAMIC	0.0033	10%	50V
1-161-047-00	s	CAP, CERAMIC	0.0047	10%	50V
1-161-049-00	s	CAP, CERAMIC	0.0068	10%	50V
1-161-051-00	s	CAP, CERAMIC	0.01	10%	50V
1-161-053-00	s	CAP, CERAMIC	0.015	10%	50V
1-161-055-00	s	CAP, CERAMIC	0.022	10%	50V
1-161-057-00	s	CAP, CERAMIC	0.033	10%	50V
1-161-021-11	s	CAP, CERAMIC	0.047	10%	25V
1-161-059-00	s	CAP, CERAMIC	0.047	10%	50V
1-161-061-00	s	CAP, CERAMIC	0.068	10%	50V
1-161-772-11	s	CAP, CERAMIC	0.1	10%	25V
1-161-063-00	s	CAP, CERAMIC	0.1	10%	50V

Part No. SP Description

CAPACITOR, ELECTROLYTIC

1-124-463-11	s	CAP, ELECT	0.1	20%	50V
1-124-464-11	s	CAP, ELECT	0.22	20%	50V
1-124-252-11	s	CAP, ELECT	0.33	20%	50V
1-124-465-21	s	CAP, ELECT	0.47	20%	50V
1-124-438-11	s	CAP, ELECT	1.0	20%	50V
1-124-257-11	s	CAP, ELECT	2.2	20%	50V
1-124-258-11	s	CAP, ELECT	3.3	20%	50V
1-124-245-11	s	CAP, ELECT	4.7	20%	35V
1-124-259-11	s	CAP, ELECT	4.7	20%	50V
1-124-462-11	s	CAP, ELECT	10	20%	16V
1-124-247-11	s	CAP, ELECT	10	20%	35V
1-124-261-11	s	CAP, ELECT	10	20%	50V
1-124-222-11	s	CAP, ELECT	22	20%	6.3V
1-124-234-11	s	CAP, ELECT	22	20%	16V
1-124-248-11	s	CAP, ELECT	22	20%	35V
1-124-431-11	s	CAP, ELECT	33	20%	4V
1-124-229-11	s	CAP, ELECT	33	20%	10V
1-124-242-11	s	CAP, ELECT	33	20%	25V
1-124-224-11	s	CAP, ELECT	47	20%	6.3V
1-124-236-11	s	CAP, ELECT	47	20%	16V
1-124-584-11	s	CAP, ELECT	100	20%	10V

Parts No. SP Description

CAPACITOR, CHIP CERAMIC

1-163-083-00	s	CAP, CHIP CERAMIC	1pF	±0.25pF	50V
1-163-085-00	s	CAP, CHIP CERAMIC	2pF	±0.25pF	50V
1-163-087-00	s	CAP, CHIP CERAMIC	4pF	±0.25pF	50V
1-163-089-00	s	CAP, CHIP CERAMIC	6pF	±0.5pF	50V
1-163-091-00	s	CAP, CHIP CERAMIC	8pF	±0.5pF	50V
1-163-093-00	s	CAP, CHIP CERAMIC	10pF	5%	50V
1-163-097-00	s	CAP, CHIP CERAMIC	15pF	5%	50V
1-163-101-00	s	CAP, CHIP CERAMIC	22pF	5%	50V
1-163-105-00	s	CAP, CHIP CERAMIC	33pF	5%	50V
1-163-109-00	s	CAP, CHIP CERAMIC	47pF	5%	50V
1-163-113-00	s	CAP, CHIP CERAMIC	68pF	5%	50V
1-163-117-00	s	CAP, CHIP CERAMIC	100pF	5%	50V
1-163-121-00	s	CAP, CHIP CERAMIC	150pF	5%	50V
1-163-125-00	s	CAP, CHIP CERAMIC	220pF	5%	50V
1-163-129-00	s	CAP, CHIP CERAMIC	330pF	5%	50V
1-163-133-00	s	CAP, CHIP CERAMIC	470pF	5%	50V
1-163-137-00	s	CAP, CHIP CERAMIC	680pF	5%	50V
1-163-141-00	s	CAP, CHIP CERAMIC	1000pF	5%	50V
1-163-145-00	s	CAP, CHIP CERAMIC	1500pF	10%	50V
1-163-013-00	s	CAP, CHIP CERAMIC	2200pF	10%	50V
1-163-015-00	s	CAP, CHIP CERAMIC	3300pF	10%	50V
1-163-017-00	s	CAP, CHIP CERAMIC	4700pF	10%	50V
1-163-019-00	s	CAP, CHIP CERAMIC	6800pF	10%	50V
1-163-021-00	s	CAP, CHIP CERAMIC	0.01	10%	50V
1-163-023-00	s	CAP, CHIP CERAMIC	0.015	10%	50V
1-163-034-00	s	CAP, CHIP CERAMIC	0.033		50V
1-163-035-00	s	CAP, CHIP CERAMIC	0.047		50V
1-163-036-00	s	CAP, CHIP CERAMIC	0.068		50V
1-163-038-00	s	CAP, CHIP CERAMIC	0.1		50V

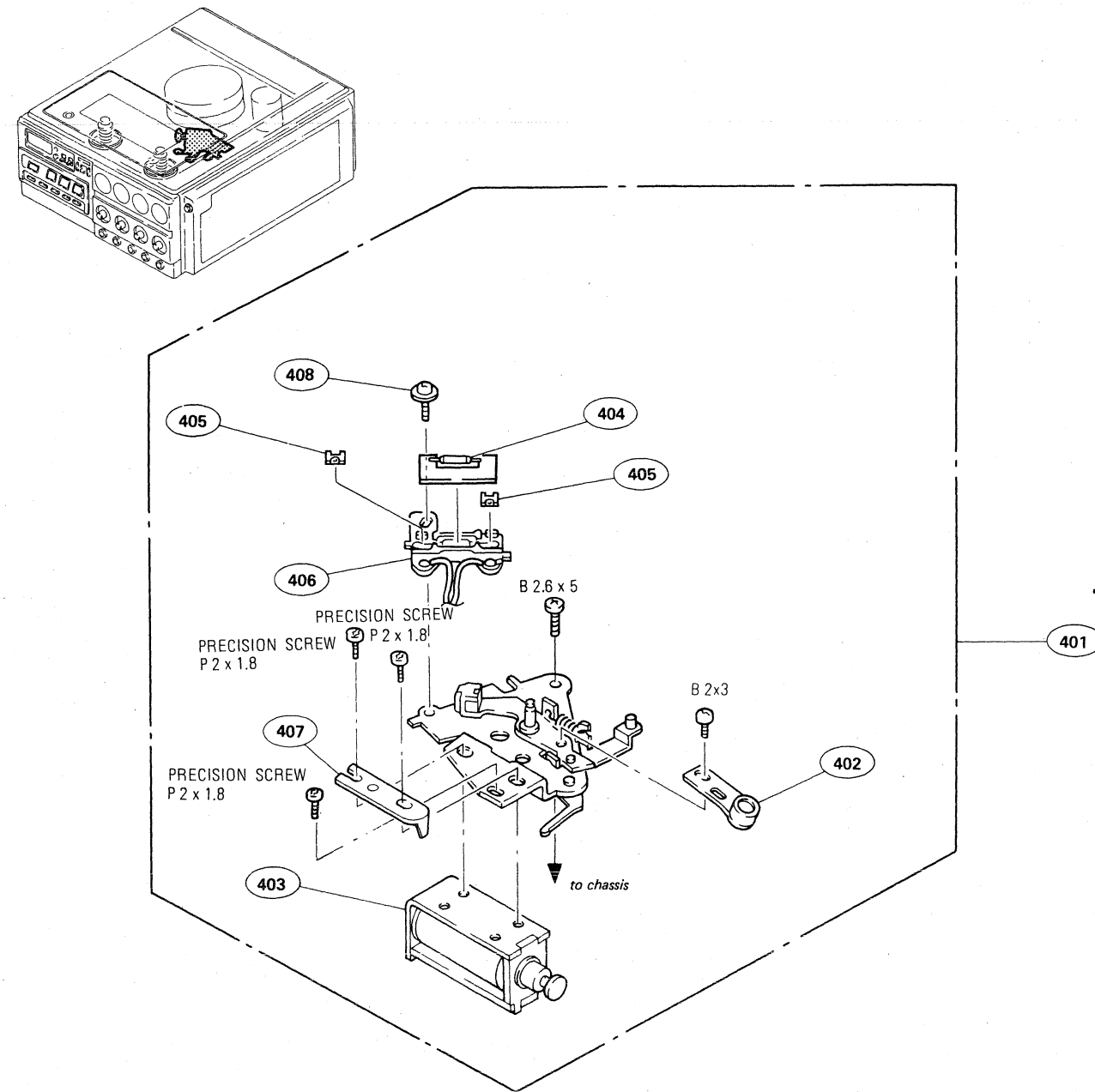
Part No. SP Description

CAPACITOR, MICA, SILVERED

1-107-019-00	s	CAP, MICA	1.0pF	±0.5pF	500V
1-107-039-00	s	CAP, MICA	1.2pF	±0.5pF	500V
1-107-040-00	s	CAP, MICA	1.5pF	±0.5pF	500V
1-107-041-00	s	CAP, MICA	1.8pF	±0.5pF	500V
1-107-042-00	s	CAP, MICA	2.2pF	±0.5pF	500V
1-107-043-00	s	CAP, MICA	2.7pF	±0.5pF	500V
1-107-044-00	s	CAP, MICA	3.3pF	±0.5pF	500V
1-107-045-00	s	CAP, MICA	3.9pF	±0.5pF	500V
1-107-046-00	s	CAP, MICA	4.7pF	±0.5pF	500V
1-107-026-00	s	CAP, MICA	5.1pF	±0.5pF	500V
1-107-047-00	s	CAP, MICA	5.6pF	±0.5pF	500V
1-107-048-00	s	CAP, MICA	6.8pF	±0.5pF	500V
1-107-049-00	s	CAP, MICA	8.2pF	±0.5pF	500V
1-107-202-00	s	CAP, MICA	10pF	5%	500V
1-107-203-00	s	CAP, MICA	11pF	5%	500V
1-107-204-00	s	CAP, MICA	12pF	5%	500V
1-107-205-00	s	CAP, MICA	13pF	5%	500V
1-107-206-00	s	CAP, MICA	15pF	5%	500V
1-107-207-00	s	CAP, MICA	16pF	5%	500V
1-107-208-00	s	CAP, MICA	18pF	5%	500V
1-107-209-00	s	CAP, MICA	20pF	5%	500V
1-107-210-00	s	CAP, MICA	22pF	5%	500V
1-107-211-00	s	CAP, MICA	24pF	5%	500V
1-107-157-00	s	CAP, MICA	27pF	5%	500V
1-107-158-00	s	CAP, MICA	30pF	5%	500V
1-107-159-00	s	CAP, MICA	33pF	5%	500V
1-107-074-00	s	CAP, MICA	36pF	5%	50V
1-107-075-00	s	CAP, MICA	39pF	5%	50V
1-107-076-00	s	CAP, MICA	43pF	5%	50V
1-107-077-00	s	CAP, MICA	47pF	5%	50V
1-107-164-00	s	CAP, MICA	51pF	5%	500V
1-107-165-00	s	CAP, MICA	56pF	5%	500V
1-107-166-00	s	CAP, MICA	62pF	5%	500V
1-107-036-00	s	CAP, MICA	68pF	5%	500V
1-107-167-00	s	CAP, MICA	75pF	5%	500V
1-107-083-00	s	CAP, MICA	82pF	5%	50V
1-107-084-00	s	CAP, MICA	91pF	5%	50V
1-107-085-00	s	CAP, MICA	100pF	5%	50V
1-107-086-00	s	CAP, MICA	110pF	5%	50V
1-107-087-00	s	CAP, MICA	120pF	5%	50V
1-109-538-00	s	CAP, MICA	130pF	5%	100V
1-109-539-00	s	CAP, MICA	150pF	5%	100V
1-107-090-00	s	CAP, MICA	160pF	5%	50V
1-109-540-00	s	CAP, MICA	180pF	5%	100V
1-109-541-00	s	CAP, MICA	200pF	5%	100V
1-109-542-00	s	CAP, MICA	220pF	5%	100V
1-109-545-00	s	CAP, MICA	270pF	5%	100V
1-109-547-00	s	CAP, MICA	330pF	5%	100V
1-109-549-00	s	CAP, MICA	390pF	5%	100V
1-109-633-00	s	CAP, MICA	470pF	2%	500V
1-109-555-00	s	CAP, MICA	560pF	5%	100V
1-109-635-00	s	CAP, MICA	470pF	2%	500V

RING STOPPER GEAR

Ring Stopper Assembly Block

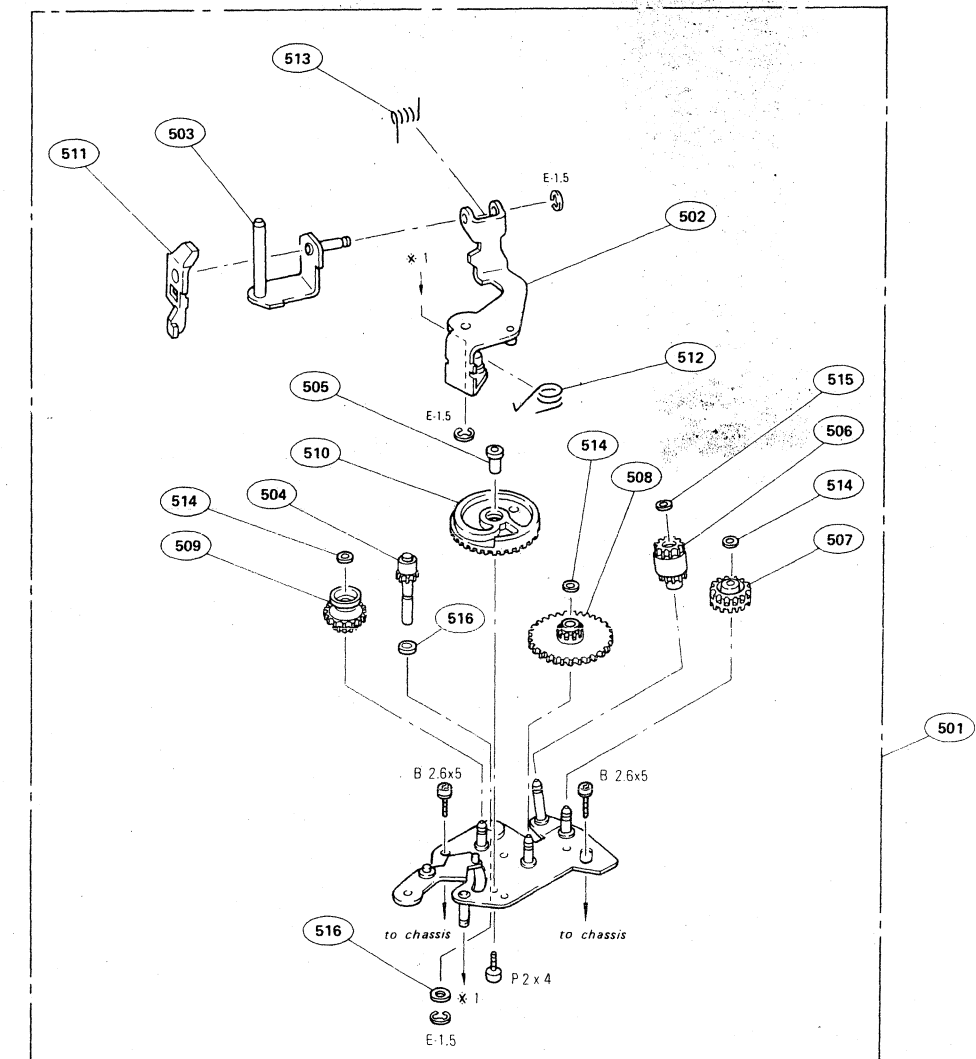


BVW-35P(1)

No.	Part No.	SP	Description
401	A-6747-250-A	s	STOPPER ASSY, RING
402	X-3676-029-0	s	ARM (B) ASSY, STOPPER
403	1-454-360-21	s	SOLENOID, PLUNGER
404	1-570-816-11	s	SWITCH, REED
405	3-676-062-00	s	TERMINAL, SWITCH
406	3-676-255-00	s	HOLDER, SWITCH
407	3-682-972-01	o	SPRING
408	3-703-502-22	s	SCREW

Gear Assembly Block

No.	Part No.	SP	Description
501	A-6750-138-F	s	GEAR BLOCK ASSY
502	X-3676-038-2	o	ARM ASSY, PULL
503	X-3676-039-0	s	LINK ASSY, SLANT
504	X-3676-050-0	s	GEAR ASSY, MOTHER
505	3-676-133-00	o	SHAFT, CAM
506	3-676-156-00	s	GEAR, RING DRIVE
507	3-676-157-00	s	GEAR, TRANSFER
508	3-676-160-00	s	GEAR, DECELERATION
509	3-676-167-00	s	PULLEY, EJECT
510	3-676-260-00	s	CAM, DRAWER
511	3-676-306-04	o	TRAVELER, TAPE
512	3-676-308-00	o	SPRING
513	3-676-309-03	o	SPRING
514	3-676-387-00	s	POLY-SLIDER (DIA.1.6)
515	3-701-436-11	s	WASHER, POLY 1.6 MM DIA., 0.25T
516	3-701-437-11	s	WASHER, POLY 2 MM DIA., 0.25T

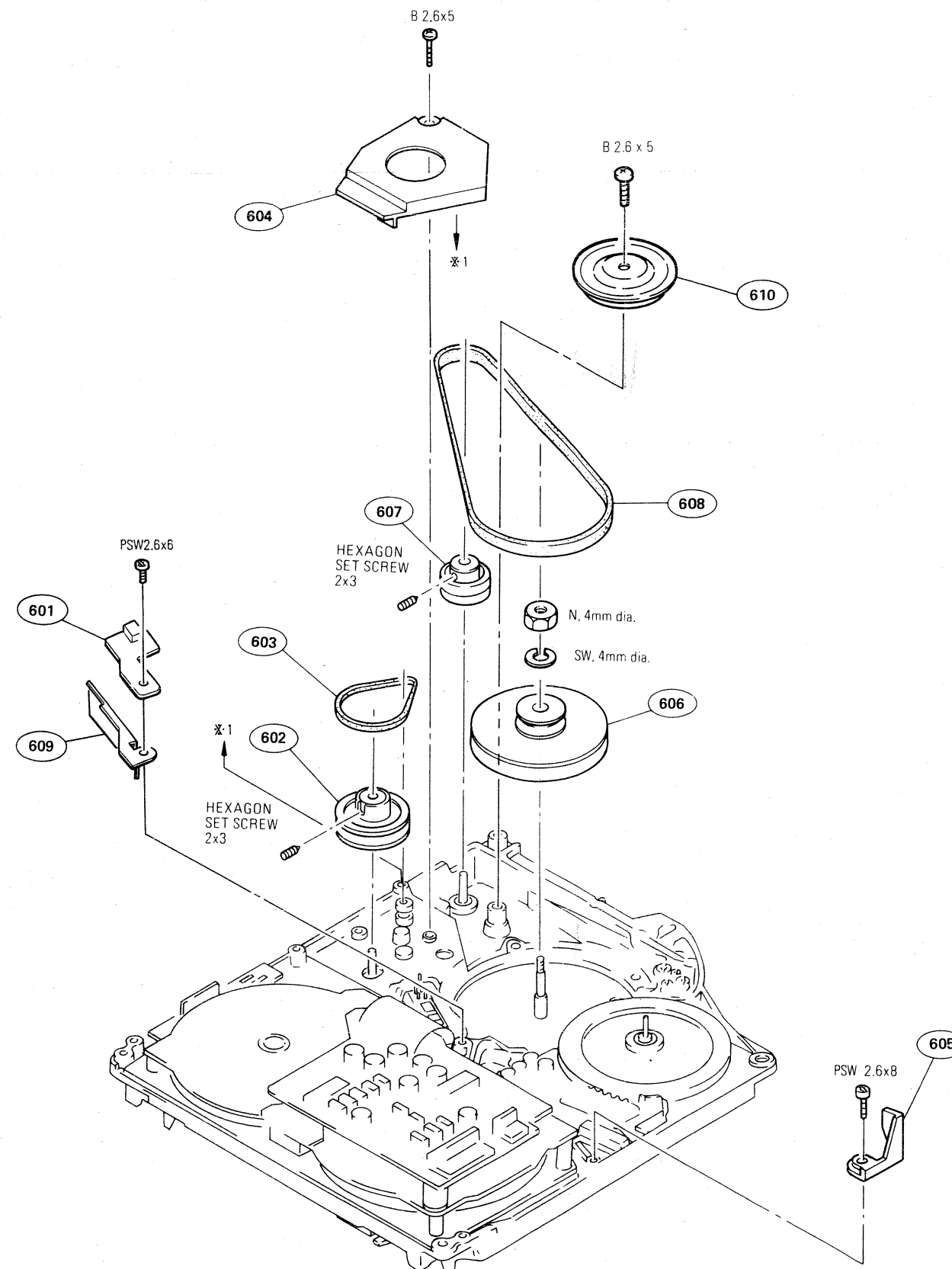
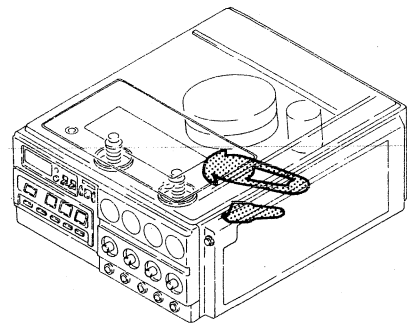


BVW-35P(1)

REEL CHASSIS (BACK SIDE)

REEL CHASSIS (BACK SIDE)

Reel Chassis Block (Back Side)



BVW-35P(1)

No.	Part No.	SP	Description
601	1-623-354-12	o	PRINTED CIRCUIT BOARD, DS-23
602	3-676-166-00	s	PULLEY, DECELERATION
603	3-676-303-00	s	BELT, T.H MOTOR
604	3-676-381-00	o	COVER, T PULLEY
605	3-682-902-02	o	STOPPER, CAPSTAN
606	X-3717-113-1	o	PULLEY ASSY, DRUM
607	3-719-122-02	s	PULLEY, D MOTOR
608	3-719-123-01	s	BELT, DRUM
609	3-719-137-01	o	PLATE, SHIELD, EJ
610	3-719-211-01	o	RETAINER, BELT

Part No. SP Description

CAPACITOR, MYLAR

1-130-467-00	s	CAP, MYLAR	470pF	5%	50V
1-130-468-00	s	CAP, MYLAR	560pF	5%	50V
1-130-469-00	s	CAP, MYLAR	680pF	5%	50V
1-130-470-00	s	CAP, MYLAR	820pF	5%	50V
1-130-471-00	s	CAP, MYLAR	1000pF	5%	50V
1-130-472-00	s	CAP, MYLAR	1200pF	5%	50V
1-130-473-00	s	CAP, MYLAR	1500pF	5%	50V
1-130-474-00	s	CAP, MYLAR	1800pF	5%	50V
1-130-475-00	s	CAP, MYLAR	2200pF	5%	50V
1-130-476-00	s	CAP, MYLAR	2700pF	5%	50V
1-130-477-00	s	CAP, MYLAR	3300pF	5%	50V
1-130-478-00	s	CAP, MYLAR	3900pF	5%	50V
1-130-479-00	s	CAP, MYLAR	4700pF	5%	50V
1-130-480-00	s	CAP, MYLAR	5600pF	5%	50V
1-130-481-00	s	CAP, MYLAR	6800pF	5%	50V
1-130-482-00	s	CAP, MYLAR	8200pF	5%	50V
1-130-483-00	s	CAP, MYLAR	0.01	5%	50V
1-130-484-00	s	CAP, MYLAR	0.012	5%	50V
1-130-485-00	s	CAP, MYLAR	0.015	5%	50V
1-130-486-00	s	CAP, MYLAR	0.018	5%	50V
1-130-487-00	s	CAP, MYLAR	0.022	5%	50V
1-130-488-00	s	CAP, MYLAR	0.027	5%	50V
1-130-489-00	s	CAP, MYLAR	0.033	5%	50V
1-130-490-11	s	CAP, MYLAR	0.039	5%	50V
1-130-491-00	s	CAP, MYLAR	0.047	5%	50V
1-130-492-11	s	CAP, MYLAR	0.056	5%	50V
1-130-493-00	s	CAP, MYLAR	0.068	5%	50V
1-130-494-11	s	CAP, MYLAR	0.082	5%	50V
1-130-495-00	s	CAP, MYLAR	0.1	5%	50V
1-130-496-00	s	CAP, MYLAR	0.12	5%	50V
1-130-497-00	s	CAP, MYLAR	0.15	5%	50V
1-130-498-00	s	CAP, MYLAR	0.18	5%	50V
1-130-499-00	s	CAP, MYLAR	0.22	5%	50V
1-136-502-11	s	CAP, MYLAR	0.33	5%	50V

Part No. SP Description

CAPACITOR, TANTALUM

1-131-396-11	s	CAP, TANTALUM	0.01	20%	35V
1-131-397-11	s	CAP, TANTALUM	0.015	20%	35V
1-131-398-11	s	CAP, TANTALUM	0.022	20%	35V
1-131-399-11	s	CAP, TANTALUM	0.033	20%	35V
1-131-400-11	s	CAP, TANTALUM	0.047	20%	35V
1-131-401-21	s	CAP, TANTALUM	0.068	10%	35V
1-131-341-21	s	CAP, TANTALUM	0.1	10%	35V
1-131-342-21	s	CAP, TANTALUM	0.15	10%	35V
1-131-343-21	s	CAP, TANTALUM	0.22	10%	35V
1-131-344-21	s	CAP, TANTALUM	0.33	10%	35V
1-131-412-11	s	CAP, TANTALUM	0.47	20%	20V
1-131-345-21	s	CAP, TANTALUM	0.47	10%	35V
1-131-410-11	s	CAP, TANTALUM	0.68	20%	25V
1-131-346-21	s	CAP, TANTALUM	0.68	10%	35V
1-131-413-11	s	CAP, TANTALUM	1.0	20%	20V
1-131-347-21	s	CAP, TANTALUM	1.0	10%	35V
1-131-416-11	s	CAP, TANTALUM	1.5	20%	16V
1-131-348-21	s	CAP, TANTALUM	1.5	10%	35V
1-131-419-11	s	CAP, TANTALUM	2.2	20%	10V
1-131-361-21	s	CAP, TANTALUM	2.2	10%	20V
1-131-349-21	s	CAP, TANTALUM	2.2	10%	35V
1-131-422-11	s	CAP, TANTALUM	3.3	20%	6.3V
1-131-368-21	s	CAP, TANTALUM	3.3	10%	16V
1-131-356-21	s	CAP, TANTALUM	3.3	10%	25V
1-131-350-21	s	CAP, TANTALUM	3.3	10%	35V
1-131-425-11	s	CAP, TANTALUM	4.7	20%	3.15V
1-131-375-21	s	CAP, TANTALUM	4.7	10%	10V
1-131-363-21	s	CAP, TANTALUM	4.7	10%	20V
1-131-351-21	s	CAP, TANTALUM	4.7	10%	35V
1-131-382-21	s	CAP, TANTALUM	6.8	10%	6.3V
1-131-370-21	s	CAP, TANTALUM	6.8	10%	16V
1-131-358-21	s	CAP, TANTALUM	6.8	10%	25V
1-131-352-21	s	CAP, TANTALUM	6.8	10%	35V
1-131-389-21	s	CAP, TANTALUM	10	10%	3.15V
1-131-377-21	s	CAP, TANTALUM	10	10%	10V
1-131-365-21	s	CAP, TANTALUM	10	10%	20V
1-131-353-21	s	CAP, TANTALUM	10	10%	35V
1-131-384-21	s	CAP, TANTALUM	15	10%	6.3V
1-131-372-21	s	CAP, TANTALUM	15	10%	16V
1-131-360-21	s	CAP, TANTALUM	15	10%	25V
1-131-391-21	s	CAP, TANTALUM	22	10%	3.15V
1-131-379-21	s	CAP, TANTALUM	22	10%	10V
1-131-367-21	s	CAP, TANTALUM	22	10%	20V
1-131-386-21	s	CAP, TANTALUM	33	10%	6.3V
1-131-374-21	s	CAP, TANTALUM	33	10%	16V
1-131-393-21	s	CAP, TANTALUM	47	10%	3.15V
1-131-381-21	s	CAP, TANTALUM	47	10%	10V
1-131-388-21	s	CAP, TANTALUM	68	10%	6.3V
1-131-395-21	s	CAP, TANTALUM	100	10%	3.15V

Part No. SP Description

CONNECTOR, RECEPTACLE (STRAIGHT TYPE)
CONNECTOR, RECEPTACLE (ANGLE TYPE)
CONNECTOR, HOUSING
CONNECTOR, CONTACT AWG24-30/AWG32

1-564-001-11 o RECEPTACLE 2P MALE (STRAIGHT TYPE)
1-564-012-11 o RECEPTACLE 2P MALE (ANGLE TYPE)
1-562-147-11 o HOUSING 2P
1-564-026-21 o CONTACT AWG24-30
1-564-681-21 o CONTACT AWG32

1-564-002-11 o RECEPTACLE 3P MALE (STRAIGHT TYPE)
1-564-013-11 o RECEPTACLE 3P MALE (ANGLE TYPE)
1-562-148-11 o HOUSING 3P
1-564-026-21 o CONTACT AWG24-30
1-564-681-21 o CONTACT AWG32

1-564-003-11 o RECEPTACLE 4P MALE (STRAIGHT TYPE)
1-564-014-11 o RECEPTACLE 4P MALE (ANGLE TYPE)
1-562-149-11 o HOUSING 4P
1-564-026-21 o CONTACT AWG24-30
1-564-681-21 o CONTACT AWG32

1-564-004-11 o RECEPTACLE 5P MALE (STRAIGHT TYPE)
1-564-015-11 o RECEPTACLE 5P MALE (ANGLE TYPE)
1-562-150-11 o HOUSING 5P
1-564-026-21 o CONTACT AWG24-30
1-564-681-21 o CONTACT AWG32

1-564-005-11 o RECEPTACLE 6P MALE (STRAIGHT TYPE)
1-564-016-11 o RECEPTACLE 6P MALE (ANGLE TYPE)
1-562-151-11 o HOUSING 6P
1-564-026-21 o CONTACT AWG24-30
1-564-681-21 o CONTACT AWG32

1-564-006-11 o RECEPTACLE 7P MALE (STRAIGHT TYPE)
1-564-017-11 o RECEPTACLE 7P MALE (ANGLE TYPE)
1-562-152-11 o HOUSING 7P
1-564-026-21 o CONTACT AWG24-30
1-564-681-21 o CONTACT AWG32

1-564-007-11 o RECEPTACLE 8P MALE (STRAIGHT TYPE)
1-564-018-11 o RECEPTACLE 8P MALE (ANGLE TYPE)
1-562-153-11 o HOUSING 8P
1-564-026-21 o CONTACT AWG24-30
1-564-681-21 o CONTACT AWG32

1-564-008-41 o RECEPTACLE 9P MALE (STRAIGHT TYPE)
1-564-019-11 o RECEPTACLE 9P MALE (ANGLE TYPE)
1-562-154-11 o HOUSING 9P
1-564-026-21 o CONTACT AWG24-30
1-564-681-21 o CONTACT AWG32

1-564-009-11 o RECEPTACLE 10P MALE (STRAIGHT TYPE)
1-564-020-11 o RECEPTACLE 10P MALE (ANGLE TYPE)
1-562-155-11 o HOUSING 10P
1-564-026-21 o CONTACT AWG24-30
1-564-681-21 o CONTACT AWG32

1-564-010-21 o RECEPTACLE 11P MALE (STRAIGHT TYPE)
1-564-021-11 o RECEPTACLE 11P MALE (ANGLE TYPE)
1-562-156-11 o HOUSING 11P
1-564-026-21 o CONTACT AWG24-30
1-564-681-21 o CONTACT AWG32

1-564-011-11 o RECEPTACLE 12P MALE (STRAIGHT TYPE)
1-564-022-11 o RECEPTACLE 12P MALE (ANGLE TYPE)
1-562-157-11 o HOUSING 12P
1-564-026-21 o CONTACT AWG24-30
1-564-681-21 o CONTACT AWG32

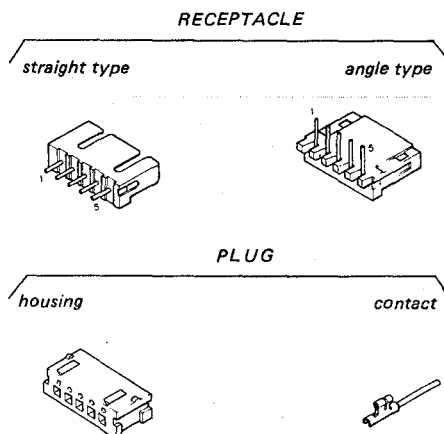
Part No. SP Description

CONNECTOR, RECEPTACLE (STRAIGHT TYPE)
CONNECTOR, RECEPTACLE (ANGLE TYPE)
CONNECTOR, HOUSING
CONNECTOR, CONTACT AWG24-30/AWG32

1-564-683-11 o RECEPTACLE 13P MALE (STRAIGHT TYPE)
1-564-743-11 o RECEPTACLE 13P MALE (ANGLE TYPE)
1-562-627-11 o HOUSING 13P
1-564-026-21 o CONTACT AWG24-30
1-564-681-21 o CONTACT AWG32

1-564-069-11 o RECEPTACLE 14P MALE (STRAIGHT TYPE)
1-564-630-11 o RECEPTACLE 14P MALE (ANGLE TYPE)
1-562-185-11 o HOUSING 14P
1-564-026-21 o CONTACT AWG24-30
1-564-681-21 o CONTACT AWG32

1-564-855-11 o RECEPTACLE 15P MALE (STRAIGHT TYPE)
1-564-877-11 o RECEPTACLE 15P MALE (ANGLE TYPE)
1-562-958-11 o HOUSING 15P
1-564-026-21 o CONTACT AWG24-30
1-564-681-21 o CONTACT AWG32



Part No. SP Description

INDUCTOR, MICRO

1-408-397-00	s	INDUCTOR, MICRO	1.0	5%
1-408-399-00	s	INDUCTOR, MICRO	1.5	5%
1-408-400-00	s	INDUCTOR, MICRO	1.8	5%
1-408-401-00	s	INDUCTOR, MICRO	2.2	5%
1-408-403-00	s	INDUCTOR, MICRO	3.3	5%
1-408-404-00	s	INDUCTOR, MICRO	3.9	5%
1-408-405-00	s	INDUCTOR, MICRO	4.7	5%
1-408-406-00	s	INDUCTOR, MICRO	5.6	5%
1-408-407-00	s	INDUCTOR, MICRO	6.8	5%
1-408-408-00	s	INDUCTOR, MICRO	8.2	5%
1-408-409-00	s	INDUCTOR, MICRO	10	5%
1-408-410-00	s	INDUCTOR, MICRO	12	5%
1-408-411-00	s	INDUCTOR, MICRO	15	5%
1-408-412-00	s	INDUCTOR, MICRO	18	5%
1-408-413-00	s	INDUCTOR, MICRO	22	5%
1-408-414-00	s	INDUCTOR, MICRO	27	5%
1-408-415-00	s	INDUCTOR, MICRO	33	5%
1-408-416-00	s	INDUCTOR, MICRO	39	5%
1-408-417-00	s	INDUCTOR, MICRO	47	5%
1-408-418-00	s	INDUCTOR, MICRO	56	5%
1-408-419-00	s	INDUCTOR, MICRO	68	5%
1-408-420-00	s	INDUCTOR, MICRO	82	5%
1-408-421-00	s	INDUCTOR, MICRO	100	5%
1-408-422-00	s	INDUCTOR, MICRO	120	5%
1-408-423-00	s	INDUCTOR, MICRO	150	5%
1-408-424-00	s	INDUCTOR, MICRO	180	5%
1-408-425-00	s	INDUCTOR, MICRO	220	5%
1-408-426-00	s	INDUCTOR, MICRO	270	5%
1-408-427-00	s	INDUCTOR, MICRO	330	5%
1-408-428-00	s	INDUCTOR, MICRO	390	5%
1-408-429-00	s	INDUCTOR, MICRO	470	5%
1-410-116-11	s	INDUCTOR, MICRO	560	5%
1-410-492-11	s	INDUCTOR, MICRO	680	5%
1-410-493-11	s	INDUCTOR, MICRO	820	5%
1-410-494-11	s	INDUCTOR, MICRO	1000	5%

Part No. SP Description

RESISTOR, CARBON

1-249-381-11	s	RES, CARBON	1.0	5%	1/6W
1-249-382-11	s	RES, CARBON	1.2	5%	1/6W
1-249-383-11	s	RES, CARBON	1.5	5%	1/6W
1-249-384-11	s	RES, CARBON	1.8	5%	1/6W
1-249-385-11	s	RES, CARBON	2.2	5%	1/6W
1-249-386-11	s	RES, CARBON	2.7	5%	1/6W
1-249-387-11	s	RES, CARBON	3.3	5%	1/6W
1-249-388-11	s	RES, CARBON	3.9	5%	1/6W
1-249-389-11	s	RES, CARBON	4.7	5%	1/6W
1-249-390-11	s	RES, CARBON	5.6	5%	1/6W
1-249-391-11	s	RES, CARBON	6.8	5%	1/6W
1-249-392-11	s	RES, CARBON	8.2	5%	1/6W
1-249-393-11	s	RES, CARBON	10	5%	1/6W
1-249-394-11	s	RES, CARBON	12	5%	1/6W
1-249-395-11	s	RES, CARBON	15	5%	1/6W
1-249-396-11	s	RES, CARBON	18	5%	1/6W
1-249-397-11	s	RES, CARBON	22	5%	1/6W
1-249-398-11	s	RES, CARBON	27	5%	1/6W
1-249-399-11	s	RES, CARBON	33	5%	1/6W
1-249-400-11	s	RES, CARBON	39	5%	1/6W
1-249-401-11	s	RES, CARBON	47	5%	1/6W
1-249-402-11	s	RES, CARBON	56	5%	1/6W
1-249-403-11	s	RES, CARBON	68	5%	1/6W
1-215-394-00	s	RES, METAL	75	1%	1/6W
1-249-404-11	s	RES, CARBON	82	5%	1/6W
1-249-405-11	s	RES, CARBON	100	5%	1/6W
1-249-406-11	s	RES, CARBON	120	5%	1/6W
1-249-407-11	s	RES, CARBON	150	5%	1/6W
1-249-408-11	s	RES, CARBON	180	5%	1/6W
1-249-409-11	s	RES, CARBON	220	5%	1/6W
1-249-410-11	s	RES, CARBON	270	5%	1/6W
1-249-411-11	s	RES, CARBON	330	5%	1/6W
1-249-412-11	s	RES, CARBON	390	5%	1/6W
1-249-413-11	s	RES, CARBON	470	5%	1/6W
1-249-414-11	s	RES, CARBON	560	5%	1/6W
1-249-415-11	s	RES, CARBON	680	5%	1/6W
1-249-416-11	s	RES, CARBON	820	5%	1/6W
1-249-417-11	s	RES, CARBON	1.0k	5%	1/6W
1-249-418-11	s	RES, CARBON	1.2k	5%	1/6W
1-249-419-11	s	RES, CARBON	1.5k	5%	1/6W
1-249-420-11	s	RES, CARBON	1.8k	5%	1/6W
1-249-421-11	s	RES, CARBON	2.2k	5%	1/6W
1-249-422-11	s	RES, CARBON	2.7k	5%	1/6W
1-249-423-11	s	RES, CARBON	3.3k	5%	1/6W
1-249-424-11	s	RES, CARBON	3.9k	5%	1/6W
1-249-425-11	s	RES, CARBON	4.7k	5%	1/6W
1-249-426-11	s	RES, CARBON	5.6k	5%	1/6W
1-249-427-11	s	RES, CARBON	6.8k	5%	1/6W
1-249-428-11	s	RES, CARBON	8.2k	5%	1/6W
1-249-429-11	s	RES, CARBON	10k	5%	1/6W
1-249-430-11	s	RES, CARBON	12k	5%	1/6W
1-249-431-11	s	RES, CARBON	15k	5%	1/6W
1-249-432-11	s	RES, CARBON	18k	5%	1/6W
1-249-433-11	s	RES, CARBON	22k	5%	1/6W
1-249-434-11	s	RES, CARBON	27k	5%	1/6W
1-249-435-11	s	RES, CARBON	33k	5%	1/6W
1-249-436-11	s	RES, CARBON	39k	5%	1/6W
1-249-437-11	s	RES, CARBON	47k	5%	1/6W
1-249-438-11	s	RES, CARBON	56k	5%	1/6W
1-249-439-11	s	RES, CARBON	68k	5%	1/6W

Part No. SP Description

RESISTOR, CARBON

1-249-440-11	s	RES, CARBON	82k	5%	1/6W
1-249-441-11	s	RES, CARBON	100k	5%	1/6W
1-215-471-00	s	RES, METAL	120k	1%	1/6W
1-215-473-00	s	RES, METAL	150k	1%	1/6W
1-215-475-00	s	RES, METAL	180k	1%	1/6W
1-215-477-00	s	RES, METAL	220k	1%	1/6W
1-215-479-00	s	RES, METAL	270k	1%	1/6W
1-215-481-00	s	RES, METAL	330k	1%	1/6W
1-215-483-00	s	RES, METAL	390k	1%	1/6W
1-215-485-00	s	RES, METAL	470k	1%	1/6W
1-215-487-00	s	RES, METAL	560k	1%	1/6W
1-215-489-00	s	RES, METAL	680k	1%	1/6W
1-215-491-00	s	RES, METAL	820k	1%	1/6W
1-215-493-00	s	RES, METAL	1.0M	1%	1/6W

Part No. SP Description

RESISTOR, CHIP

1-216-295-00	s	RES, CHIP	0	5%	1/10W
1-216-298-00	s	RES, CHIP	2.2	5%	1/10W
1-216-302-00	s	RES, CHIP	2.7	5%	1/10W
1-216-304-00	s	RES, CHIP	3.3	5%	1/10W
1-216-306-00	s	RES, CHIP	3.9	5%	1/10W
1-216-308-00	s	RES, CHIP	4.7	5%	1/10W
1-216-309-00	s	RES, CHIP	5.6	5%	1/10W
1-216-311-00	s	RES, CHIP	6.8	5%	1/10W
1-216-313-00	s	RES, CHIP	8.2	5%	1/10W
1-216-001-00	s	RES, CHIP	10	5%	1/10W
1-216-003-00	s	RES, CHIP	12	5%	1/10W
1-216-005-00	s	RES, CHIP	15	5%	1/10W
1-216-007-00	s	RES, CHIP	18	5%	1/10W
1-216-009-00	s	RES, CHIP	22	5%	1/10W
1-216-011-00	s	RES, CHIP	27	5%	1/10W
1-216-013-00	s	RES, CHIP	33	5%	1/10W
1-216-015-00	s	RES, CHIP	39	5%	1/10W
1-216-017-00	s	RES, CHIP	47	5%	1/10W
1-216-019-00	s	RES, CHIP	56	5%	1/10W
1-216-021-00	s	RES, CHIP	68	5%	1/10W
1-216-023-00	s	RES, CHIP	82	5%	1/10W
1-216-025-00	s	RES, CHIP	100	5%	1/10W
1-216-027-00	s	RES, CHIP	120	5%	1/10W
1-216-029-00	s	RES, CHIP	150	5%	1/10W
1-216-031-00	s	RES, CHIP	180	5%	1/10W
1-216-033-00	s	RES, CHIP	220	5%	1/10W
1-216-035-00	s	RES, CHIP	270	5%	1/10W
1-216-037-00	s	RES, CHIP	330	5%	1/10W
1-216-039-00	s	RES, CHIP	390	5%	1/10W
1-216-041-00	s	RES, CHIP	470	5%	1/10W
1-216-043-00	s	RES, CHIP	560	5%	1/10W
1-216-045-00	s	RES, CHIP	680	5%	1/10W
1-216-047-00	s	RES, CHIP	820	5%	1/10W
1-216-049-00	s	RES, CHIP	1k	5%	1/10W
1-216-051-00	s	RES, CHIP	1.2k	5%	1/10W
1-216-053-00	s	RES, CHIP	1.5k	5%	1/10W
1-216-055-00	s	RES, CHIP	1.8k	5%	1/10W
1-216-057-00	s	RES, CHIP	2.2k	5%	1/10W
1-216-059-00	s	RES, CHIP	2.7k	5%	1/10W
1-216-061-00	s	RES, CHIP	3.3k	5%	1/10W
1-216-063-00	s	RES, CHIP	3.9k	5%	1/10W
1-216-065-00	s	RES, CHIP	4.7k	5%	1/10W
1-216-067-00	s	RES, CHIP	5.6k	5%	1/10W
1-216-069-00	s	RES, CHIP	6.8k	5%	1/10W
1-216-071-00	s	RES, CHIP	8.2k	5%	1/10W
1-216-073-00	s	RES, CHIP	10k	5%	1/10W
1-216-075-00	s	RES, CHIP	12k	5%	1/10W
1-216-077-00	s	RES, CHIP	15k	5%	1/10W
1-216-079-00	s	RES, CHIP	18k	5%	1/10W
1-216-081-00	s	RES, CHIP	22k	5%	1/10W
1-216-083-00	s	RES, CHIP	27k	5%	1/10W
1-216-085-00	s	RES, CHIP	33k	5%	1/10W
1-216-087-00	s	RES, CHIP	39k	5%	1/10W
1-216-089-00	s	RES, CHIP	47k	5%	1/10W
1-216-091-00	s	RES, CHIP	56k	5%	1/10W

Part No. SP Description

RESISTOR, CHIP

1-216-093-00	s	RES, CHIP	68k	5%	1/10W
1-216-095-00	s	RES, CHIP	82k	5%	1/10W
1-216-097-00	s	RES, CHIP	100k	5%	1/10W
1-216-099-00	s	RES, CHIP	120k	5%	1/10W
1-216-101-00	s	RES, CHIP	150k	5%	1/10W
1-216-103-00	s	RES, CHIP	180k	5%	1/10W
1-216-105-00	s	RES, CHIP	220k	5%	1/10W
1-216-107-00	s	RES, CHIP	270k	5%	1/10W
1-216-109-00	s	RES, CHIP	330k	5%	1/10W
1-216-111-00	s	RES, CHIP	390k	5%	1/10W
1-216-113-00	s	RES, CHIP	470k	5%	1/10W
1-216-115-00	s	RES, CHIP	560k	5%	1/10W
1-216-117-00	s	RES, CHIP	680k	5%	1/10W
1-216-119-00	s	RES, CHIP	820k	5%	1/10W
1-216-121-00	s	RES, CHIP	1.0M	5%	1/10W
1-216-123-00	s	RES, CHIP	1.2M	5%	1/10W
1-216-125-00	s	RES, CHIP	1.5M	5%	1/10W
1-216-127-00	s	RES, CHIP	1.8M	5%	1/10W
1-216-129-00	s	RES, CHIP	2.2M	5%	1/10W
1-216-131-00	s	RES, CHIP	2.7M	5%	1/10W
1-216-133-00	s	RES, CHIP	3.3M	5%	1/10W

Part No. SP Description

RESISTOR, METAL

1-215-373-31	s	RES, METAL	10	1%	1/6W
1-215-374-00	s	RES, METAL	11	1%	1/6W
1-215-375-00	s	RES, METAL	12	1%	1/6W
1-215-376-00	s	RES, METAL	13	1%	1/6W
1-215-377-00	s	RES, METAL	15	1%	1/6W
1-215-378-00	s	RES, METAL	16	1%	1/6W
1-215-379-00	s	RES, METAL	18	1%	1/6W
1-215-380-00	s	RES, METAL	20	1%	1/6W
1-215-381-00	s	RES, METAL	22	1%	1/6W
1-215-382-00	s	RES, METAL	24	1%	1/6W
1-215-383-00	s	RES, METAL	27	1%	1/6W
1-215-384-00	s	RES, METAL	30	1%	1/6W
1-215-385-00	s	RES, METAL	33	1%	1/6W
1-215-386-00	s	RES, METAL	36	1%	1/6W
1-215-387-00	s	RES, METAL	39	1%	1/6W
1-215-388-00	s	RES, METAL	43	1%	1/6W
1-215-389-00	s	RES, METAL	47	1%	1/6W
1-215-390-00	s	RES, METAL	51	1%	1/6W
1-215-391-00	s	RES, METAL	56	1%	1/6W
1-215-392-00	s	RES, METAL	62	1%	1/6W
1-215-393-00	s	RES, METAL	68	1%	1/6W
1-215-394-00	s	RES, METAL	75	1%	1/6W
1-215-395-00	s	RES, METAL	82	1%	1/6W
1-215-396-00	s	RES, METAL	91	1%	1/6W
1-215-397-00	s	RES, METAL	100	1%	1/6W
1-215-398-00	s	RES, METAL	110	1%	1/6W
1-215-399-00	s	RES, METAL	120	1%	1/6W
1-215-400-00	s	RES, METAL	130	1%	1/6W
1-215-401-00	s	RES, METAL	150	1%	1/6W
1-215-402-00	s	RES, METAL	160	1%	1/6W
1-215-403-00	s	RES, METAL	180	1%	1/6W
1-215-404-00	s	RES, METAL	200	1%	1/6W
1-215-405-00	s	RES, METAL	220	1%	1/6W
1-215-406-00	s	RES, METAL	240	1%	1/6W
1-215-407-00	s	RES, METAL	270	1%	1/6W
1-215-408-00	s	RES, METAL	300	1%	1/6W
1-215-409-00	s	RES, METAL	330	1%	1/6W
1-215-410-00	s	RES, METAL	360	1%	1/6W
1-215-411-00	s	RES, METAL	390	1%	1/6W
1-215-412-00	s	RES, METAL	430	1%	1/6W
1-215-413-00	s	RES, METAL	470	1%	1/6W
1-215-414-00	s	RES, METAL	510	1%	1/6W
1-215-415-00	s	RES, METAL	560	1%	1/6W
1-215-416-00	s	RES, METAL	620	1%	1/6W
1-215-417-00	s	RES, METAL	680	1%	1/6W
1-215-418-00	s	RES, METAL	750	1%	1/6W
1-215-419-00	s	RES, METAL	820	1%	1/6W
1-215-420-00	s	RES, METAL	910	1%	1/6W
1-215-421-00	s	RES, METAL	1.0k	1%	1/6W
1-215-422-00	s	RES, METAL	1.1k	1%	1/6W
1-215-423-00	s	RES, METAL	1.2k	1%	1/6W
1-215-424-00	s	RES, METAL	1.3k	1%	1/6W
1-215-425-00	s	RES, METAL	1.5k	1%	1/6W
1-215-426-00	s	RES, METAL	1.6k	1%	1/6W
1-215-427-00	s	RES, METAL	1.8k	1%	1/6W
1-215-428-00	s	RES, METAL	2.0k	1%	1/6W
1-215-429-00	s	RES, METAL	2.2k	1%	1/6W
1-215-430-00	s	RES, METAL	2.4k	1%	1/6W
1-215-431-00	s	RES, METAL	2.7k	1%	1/6W
1-215-432-00	s	RES, METAL	3.0k	1%	1/6W

Part No. SP Description

RESISTOR, METAL

1-215-433-00	s	RES, METAL	3.3k	1%	1/6W
1-215-434-00	s	RES, METAL	3.6k	1%	1/6W
1-215-435-00	s	RES, METAL	3.9k	1%	1/6W
1-215-436-00	s	RES, METAL	4.3k	1%	1/6W
1-215-437-00	s	RES, METAL	4.7k	1%	1/6W
1-215-438-00	s	RES, METAL	5.1k	1%	1/6W
1-215-439-00	s	RES, METAL	5.6k	1%	1/6W
1-215-440-00	s	RES, METAL	6.2k	1%	1/6W
1-215-441-00	s	RES, METAL	6.8k	1%	1/6W
1-215-442-00	s	RES, METAL	7.5k	1%	1/6W
1-215-443-00	s	RES, METAL	8.2k	1%	1/6W
1-215-444-00	s	RES, METAL	9.1k	1%	1/6W
1-215-445-00	s	RES, METAL	10k	1%	1/6W
1-215-446-00	s	RES, METAL	11k	1%	1/6W
1-215-447-00	s	RES, METAL	12k	1%	1/6W
1-215-448-00	s	RES, METAL	13k	1%	1/6W
1-215-449-00	s	RES, METAL	15k	1%	1/6W
1-215-450-00	s	RES, METAL	16k	1%	1/6W
1-215-451-00	s	RES, METAL	18k	1%	1/6W
1-215-452-00	s	RES, METAL	20k	1%	1/6W
1-215-453-00	s	RES, METAL	22k	1%	1/6W
1-215-454-00	s	RES, METAL	24k	1%	1/6W
1-215-455-00	s	RES, METAL	27k	1%	1/6W
1-215-456-00	s	RES, METAL	30k	1%	1/6W
1-215-457-00	s	RES, METAL	33k	1%	1/6W
1-215-458-00	s	RES, METAL	36k	1%	1/6W
1-215-459-00	s	RES, METAL	39k	1%	1/6W
1-215-460-00	s	RES, METAL	43k	1%	1/6W
1-215-461-00	s	RES, METAL	47k	1%	1/6W
1-215-462-00	s	RES, METAL	51k	1%	1/6W
1-215-463-00	s	RES, METAL	56k	1%	1/6W
1-215-464-00	s	RES, METAL	62k	1%	1/6W
1-215-465-00	s	RES, METAL	68k	1%	1/6W
1-215-466-00	s	RES, METAL	75k	1%	1/6W
1-215-467-00	s	RES, METAL	82k	1%	1/6W
1-215-468-00	s	RES, METAL	91k	1%	1/6W
1-215-469-00	s	RES, METAL	100k	1%	1/6W
1-215-470-00	s	RES, METAL	110k	1%	1/6W
1-215-471-00	s	RES, METAL	120k	1%	1/6W
1-215-472-00	s	RES, METAL	130k	1%	1/6W
1-215-473-00	s	RES, METAL	150k	1%	1/6W
1-215-474-00	s	RES, METAL	160k	1%	1/6W
1-215-475-00	s	RES, METAL	180k	1%	1/6W
1-215-476-00	s	RES, METAL	200k	1%	1/6W
1-215-477-00	s	RES, METAL	220k	1%	1/6W
1-215-478-00	s	RES, METAL	240k	1%	1/6W
1-215-479-00	s	RES, METAL	270k	1%	1/6W
1-215-480-00	s	RES, METAL	300k	1%	1/6W
1-215-481-00	s	RES, METAL	330k	1%	1/6W
1-215-482-00	s	RES, METAL	360k	1%	1/6W
1-215-483-00	s	RES, METAL	390k	1%	1/6W
1-215-484-00	s	RES, METAL	430k	1%	1/6W
1-215-485-00	s	RES, METAL	470k	1%	1/6W
1-215-486-00	s	RES, METAL	510k	1%	1/6W
1-215-487-00	s	RES, METAL	560k	1%	1/6W
1-215-488-00	s	RES, METAL	620k	1%	1/6W
1-215-489-00	s	RES, METAL	680k	1%	1/6W
1-215-490-00	s	RES, METAL	750k	1%	1/6W
1-215-491-00	s	RES, METAL	820k	1%	1/6W
1-215-492-00	s	RES, METAL	910k	1%	1/6W
1-215-493-00	s	RES, METAL	1.0M	1%	1/6W

Ref No. Parts No. SP Description

AFM-3 BOARD

All of the component parts on the AFM-3 Board are supplied together when you order the AU-93P Board.

1-622-882-11 o PRINTED CIRCUIT BOARD, AFM-3

C4 1-135-093-21 s TANTAL. CHIP 10 10% 16V
C7 1-135-091-00 s TANTAL. CHIP 1 10% 16V
C8 1-135-092-21 s TANTAL. CHIP 3.3 10% 16V

CN1 1-564-549-11 o PIN, BOARD TO BOARD 10P

IC1 8-759-403-77 s AN3922NK (MATSUSHITA)

L1 1-410-064-11 s MICRO 2.7mH

R1 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W

AL-14 BOARD

All of the component parts on the AL-14 Board are supplied together when you order the AU-93P Board.

1-622-883-11 o PRINTED CIRCUIT BOARD, AL-14

C1 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
C3 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
C4 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
C5 1-135-093-21 s TANTAL. CHIP 10 10% 6.3V

CN1 1-566-092-11 o PIN, BOARD TO BOARD 7P

D1 8-719-101-23 s 1S123
D2 8-719-100-05 s 1S2837

Q1 8-729-901-01 s DTC144EK
Q2 8-729-271-22 s 2SC2712-G
Q3 8-729-901-01 s DTC144EK
Q4 8-729-901-01 s DTC144EK
Q5 8-729-271-22 s 2SC2712-G

AR-12P BOARD

All of the component parts on the AR-12P Board are supplied together when you order the AU-93P Board.

1-622-884-12 o PRINTED CIRCUIT BOARD, AR-12P

Ref No. Parts No. SP Description

C1 1-135-093-21 s TANTAL. CHIP 10 10% 16V
C4 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C5 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C7 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
C8 1-135-093-21 s TANTAL. CHIP 10 10% 16V

C12 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C13 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C15 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V

IC1 8-759-700-43 s NJM4558M (JRC)
IC2 8-759-700-43 s NJM4558M (JRC)

R10 1-216-676-11 s METAL. CHIP 11k 0.50% 1/10W

RV1 1-228-475-00 s VAR, CERMET 20k
RV2 1-228-473-00 s VAR, CERMET 5k
RV3 1-228-475-00 s VAR, CERMET 20k
RV4 1-228-473-00 s VAR, CERMET 5k

ASW-7 BOARD

1-622-890-13 o PRINTED CIRCUIT BOARD, ASW-7

S1 1-570-857-11 s SLIDE
S2 1-570-857-11 s SLIDE
S3 1-570-857-11 s SLIDE
S4 1-554-303-21 s KEY BOARD

AU-93P BOARD

This board includes the AFM-3, AL-14, AR-12P, CO-8, DC-33, NR-19, SG-137 and VA-68 Boards.

A-6713-326-A o MOUNTED CIRCUIT BOARD, AU-93P

C1 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
C2 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
C3 1-135-072-21 s TANTAL. CHIP 0.22 10% 35V
C4 1-135-072-21 s TANTAL. CHIP 0.22 10% 35V
C101 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V

C102 1-135-101-21 s TANTAL. CHIP 22 10% 6.3V
C103 1-135-093-21 s TANTAL. CHIP 10 10% 16V
C104 1-135-093-21 s TANTAL. CHIP 10 10% 16V
C105 1-124-443-00 s ELECT 100 20% 6.3V
C106 1-124-443-00 s ELECT 100 20% 6.3V

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
C107	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V
C108	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V
C109	1-135-070-00	s	TANTAL. CHIP 0.1 10% 35V
C110	1-163-014-00	s	CERAMIC CHIP 2700PF 10% 50V
C113	1-135-093-21	s	TANTAL. CHIP 10 10% 16V
C114	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V
C201	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V
C202	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V
C203	1-135-093-21	s	TANTAL. CHIP 10 10% 16V
C204	1-135-093-21	s	TANTAL. CHIP 10 10% 16V
C207	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V
C208	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V
C209	1-135-070-00	s	TANTAL. CHIP 0.1 10% 35V
C210	1-163-014-00	s	CERAMIC CHIP 2700PF 10% 50V
C213	1-135-093-21	s	TANTAL. CHIP 10 10% 16V
C214	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V
C302	1-109-685-31	s	MICA 330PF 5% 500V
C303	1-123-332-00	s	ELECT 47 20% 16V
C304	1-109-685-31	s	MICA 330PF 5% 500V
C305	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V
C311	1-124-444-00	s	ELECT 220 20% 6.3V
C312	1-163-135-00	s	CERAMIC CHIP 560PF 5% 50V
C314	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V
C321	1-135-070-00	s	TANTAL. CHIP 0.1 10% 35V
C323	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V
C352	1-109-685-31	s	MICA 330PF 5% 500V
C353	1-123-332-00	s	ELECT 47 20% 16V
C354	1-109-685-31	s	MICA 330PF 5% 500V
C355	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V
C361	1-124-444-00	s	ELECT 220 20% 6.3V
C362	1-163-135-00	s	CERAMIC CHIP 560PF 5% 50V
C364	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V
C371	1-135-070-00	s	TANTAL. CHIP 0.1 10% 35V
C401	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V
C402	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V
C408	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V
C409	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V
C410	1-124-462-00	s	ELECT 10 20% 16V
C420	1-135-072-21	s	TANTAL. CHIP 0.22 10% 35V
C421	1-135-093-21	s	TANTAL. CHIP 10 10% 16V
C451	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V
C452	1-135-101-21	s	TANTAL. CHIP 22 10% 6.3V
C458	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V
C459	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V
2)C461	1-163-115-00	s	CERAMIC CHIP 82PF 5% 50V
C541	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V
C561	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V
C581	1-124-443-00	s	ELECT 100 20% 6.3V
C583	1-124-443-00	s	ELECT 100 20% 6.3V
C602	1-135-093-21	s	TANTAL. CHIP 10 10% 16V
C607	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V
C610	1-135-088-21	s	TANTAL. CHIP 2.2 10% 20V
C612	1-135-070-00	s	TANTAL. CHIP 0.1 10% 35V
C615	1-135-088-21	s	TANTAL. CHIP 2.2 10% 20V
C619	1-124-442-00	s	ELECT 330 20% 6.3V
C621	1-124-444-00	s	ELECT 220 20% 6.3V
C622	1-124-444-00	s	ELECT 220 20% 6.3V
C625	1-124-442-00	s	ELECT 330 20% 6.3V
C628	1-164-161-11	s	CERAMIC CHIP 2200PF 10% 50V
C632	1-135-076-21	s	TANTAL. CHIP 1 10% 35V

Ref No.	Parts No.	SP	Description
C635	1-135-076-21	s	TANTAL. CHIP 1 10% 35V
C638	1-124-225-00	s	ELECT 100 20% 6.3V
C851	1-135-088-21	s	TANTAL. CHIP 2.2 10% 20V
C854	1-124-120-11	s	ELECT 220 20% 25V
C856	1-135-076-21	s	TANTAL. CHIP 1 10% 35V
C857	1-124-477-11	s	ELECT 47 20% 25V
C901	1-124-477-11	s	ELECT 47 20% 16V
C902	1-124-477-11	s	ELECT 47 20% 25V
C903	1-135-076-21	s	TANTAL. CHIP 1 10% 35V
C905	1-135-076-21	s	TANTAL. CHIP 1 10% 35V
C906	1-124-477-11	s	ELECT 47 20% 16V
C907	1-124-477-11	s	ELECT 47 20% 25V
C908	1-135-072-21	s	TANTAL. CHIP 0.22 10% 35V
C910	1-109-626-00	s	DIP-MICA 100PF 5% 50V
C911	1-135-088-21	s	TANTAL. CHIP 2.2 10% 20V
C912	1-135-076-21	s	TANTAL. CHIP 1 10% 35V
C952	1-124-477-11	s	ELECT 47 20% 25V
C953	1-135-076-21	s	TANTAL. CHIP 1 10% 35V
C955	1-135-076-21	s	TANTAL. CHIP 1 10% 35V
C957	1-124-477-11	s	ELECT 47 20% 25V
C958	1-135-072-21	s	TANTAL. CHIP 0.22 10% 35V
C961	1-135-088-21	s	TANTAL. CHIP 2.2 10% 20V
C962	1-135-076-21	s	TANTAL. CHIP 1 10% 35V
CN1	1-566-566-11	o	TX(P.L)(PC BOARD)40P
CN2	1-564-008-00	o	PIN, 9P
CN3	1-506-471-11	o	PIN, 6P
CN4	1-564-014-00	o	PIN, 4P
CN5	1-506-483-21	o	PIN, 4P
CN6	1-564-015-00	o	PIN, 5P
CP851	1-464-800-12	S	OSCILLATOR BLOCK, ERASE
CP901	1-464-856-11	s	OSCILLATION BLOCK (BIAS)
CP902	1-464-855-12	s	OSCILLATION BLOCK (ERASE)
CP951	1-464-856-11	s	OSCILLATION BLOCK (BIAS)
CP952	1-464-885-12	s	OSCILLATION BLOCK (ERASE)
D3	8-719-100-05	s	IS2837
D4	8-719-101-23	s	ISS123
D5	8-719-100-05	s	IS2837
D6	8-719-100-05	s	IS2837
D302	8-719-100-05	s	IS2837
D303	8-719-100-05	s	IS2837
D352	8-719-100-05	s	IS2837
D401	8-719-101-23	s	ISS123
D402	8-719-101-23	s	ISS123
D451	8-719-101-23	s	ISS123
D501	8-719-100-05	s	IS2837
D502	8-719-100-05	s	IS2837
D503	8-719-101-23	s	ISS123
D504	8-719-101-23	s	ISS123
D505	8-719-101-23	s	ISS123

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

D601 8-719-105-82 s RD5.1M-B2
 D602 8-719-105-82 s RD5.1M-B2
 D851 8-719-106-98 s RD10M-B
 D852 8-719-100-03 s IS2835
 D901 8-719-106-89 s RD15M-B2

D902 8-719-100-03 s IS2835
 D903 8-719-106-53 s RD10M-B2
 D905 8-719-106-98 s RD16M-B
 D951 8-719-106-89 s RD15M-B2
 D953 8-719-106-53 s RD10M-B2

D955 8-719-106-98 s RD16M-B

FL501 1-236-011-11 s LOW PASS
 FL502 1-236-011-11 s LOW PASS
 FL503 1-236-012-11 s BAND PASS
 FL504 1-236-013-11 s BAND PASS
 FL505 1-236-015-11 s BAND PASS

FL506 1-236-015-11 s BAND PASS

IC101 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC102 8-759-700-84 s NJM2041M-D (JRC)
 IC103 1-236-171-11 s FILTER, LOW PASS
 IC104 8-741-148-90 s SBX1489-01 (SONY)

IC108 8-759-745-64 s NJM4560M (JRC)
 IC201 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC202 8-759-700-84 s NJM2041M-D (JRC)
 IC301 8-759-700-09 s NJM2043M-D (JRC)
 IC302 8-759-200-83 s TC4071BF (TOSHIBA)

IC401 8-759-700-84 s NJM2041M-D (JRC)
 IC402 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC403 1-236-003-11 s FILTER, LOW PASS
 IC405 8-759-708-05 s NJM78L05A (JRC)
 IC451 8-759-700-84 s NJM2041M-D (JRC)

IC452 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC501 8-759-700-84 s NJM2041M-D (JRC)
 IC502 8-759-700-84 s NJM2041M-D (JRC)
 IC503 8-759-403-78 s AN3920K (MATSUSHITA)
 IC701 8-759-200-82 s TC4069UBF (TOSHIBA)

IC901 8-759-200-83 s TC4071BF (TOSHIBA)

L501 1-408-789-21 s CHIP 100
 L502 1-408-789-21 s CHIP 100
 L503 1-408-789-21 s CHIP 100
 L591 1-408-797-11 s CHIP 470
 L592 1-408-797-11 s CHIP 470

L801 1-408-794-00 s CHIP 270

LV101 1-410-854-12 s VAR. COIL 18mH
 LV102 1-410-854-12 s VAR. COIL 18mH
 LV201 1-410-854-12 s VAR. COIL 18mH
 LV202 1-410-854-12 s VAR. COIL 18mH
 LV301 1-407-298-00 s MICRO 4.5mH

Ref No. Parts No. SP Description

LV302 1-410-853-12 s VAR. COIL 4.5mH
 LV351 1-407-298-00 s MICRO 4.5mH
 LV352 1-410-853-12 s VAR. COIL 4.5mH
 LV901 1-407-576-00 s VAR 220
 LV951 1-407-576-00 s VAR 220

Q1 8-729-901-06 s DTA144EK
 Q2 8-729-216-21 s 2SA1162-Y
 Q3 8-729-901-06 s DTA144EK
 Q4 8-729-216-21 s 2SA1162-Y
 Q5 8-729-271-22 s 2SC2712-G

Q6 8-729-271-22 s 2SC2712-G
 Q7 8-729-271-22 s 2SC2712-G
 Q8 8-729-271-22 s 2SC2712-G
 Q9 8-729-901-06 s DTA144EK
 Q10 8-729-901-06 s DTA144EK

Q11 8-729-901-06 s DTA144EK
 Q12 8-729-901-06 s DTA144EK
 Q13 8-729-271-22 s 2SC2712-G
 Q14 8-729-271-22 s 2SC2712-G
 Q101 8-729-178-55 s 2SC2785-E

Q102 8-729-178-55 s 2SC2785-E
 Q103 8-729-202-38 s 2SC3326N
 Q104 8-729-202-38 s 2SC3326N
 Q105 8-729-202-38 s 2SC3326N
 Q106 8-729-202-38 s 2SC3326N

Q201 8-729-178-55 s 2SC2785-E
 Q202 8-729-178-55 s 2SC2785-E
 Q203 8-729-202-38 s 2SC3326N
 Q204 8-729-202-38 s 2SC3326N
 Q205 8-729-202-38 s 2SC3326N

Q206 8-729-202-38 s 2SC3326N
 Q301 8-729-202-38 s 2SC3326N
 Q304 8-729-202-38 s 2SC3326N
 Q305 8-729-271-22 s 2SC2712-G
 Q306 8-729-271-22 s 2SC2712-G

Q307 8-729-202-38 s 2SC3326N
 Q308 8-729-901-01 s DTC144EK
 Q309 8-729-216-21 s 2SA1162-Y
 Q310 8-729-901-06 s DTA144EK
 Q311 8-729-901-06 s DTA144EK

Q331 8-729-109-44 s 2SK94
 Q332 8-729-901-01 s DTC144EK
 Q333 8-729-202-38 s 2SC3326N
 Q334 8-729-901-06 s DTA144EK
 Q335 8-729-901-06 s DTA144EK

Q351 8-729-202-38 s 2SC3326N
 Q354 8-729-202-38 s 2SC3326N
 Q355 8-729-271-22 s 2SC2712-G
 Q356 8-729-271-22 s 2SC2712-G
 Q357 8-729-202-38 s 2SC3326N

Q358 8-729-901-01 s DTC144EK
 Q359 8-729-216-21 s 2SA1162-Y
 Q360 8-729-901-06 s DTA144EK
 Q381 8-729-109-44 s 2SK94
 Q382 8-729-901-01 s DTC144EK

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
Q383	8-729-202-38	s	2SC3326N
Q401	8-729-202-38	s	2SC3326N
Q402	8-729-901-01	s	DTA144EK
Q403	8-729-901-06	s	DTA144EK
Q406	8-729-202-38	s	2SC3326N
Q451	8-729-202-38	s	2SC3326N
Q456	8-729-202-38	s	2SC3326N
Q457	8-729-901-06	s	DTA144EK
Q501	8-729-271-22	s	2SC2712-G
Q502	8-729-271-22	s	2SC2712-G
Q503	8-729-271-22	s	2SC2712-G
Q505	8-729-271-22	s	2SC2712-G
Q506	8-729-271-22	s	2SC2712-G
Q507	8-729-901-06	s	DTA144EK
Q508	8-729-271-22	s	2SC2712-G
Q509	8-729-216-21	s	2SA1162-Y
Q510	8-729-271-22	s	2SC2712-G
Q511	8-729-216-21	s	2SA1162-Y
Q512	8-729-271-22	s	2SC2712-G
Q513	8-729-271-22	s	2SC2712-G
Q514	8-729-271-22	s	2SC2712-G
Q515	8-729-271-22	s	2SC2712-G
Q516	8-729-271-22	s	2SC2712-G
Q517	8-729-271-22	s	2SC2712-G
Q518	8-729-271-22	s	2SC2712-G
Q601	8-729-905-52	s	2SD1055
Q602	8-729-982-22	s	2SB822
Q603	8-729-982-22	s	2SB822
Q604	8-729-271-22	s	2SC2712-G
Q605	8-729-216-21	s	2SA1162-Y
Q606	8-729-271-22	s	2SC2712-G
Q607	8-729-271-22	s	2SC2712-G
Q608	8-729-216-21	s	2SA1162-Y
Q609	8-729-271-22	s	2SC2712-G
Q610	8-729-901-01	s	DTA144EK
Q611	8-729-982-22	s	2SB822
Q612	8-729-901-01	s	DTA144EK
Q701	8-729-900-89	s	DTA144ES
Q808	8-729-901-06	s	DTA144EK
Q809	8-729-901-01	s	DTA144EK
Q810	8-729-901-06	s	DTA144EK
Q851	8-729-901-06	s	DTA144EK
Q852	8-729-901-06	s	DTA144EK
Q853	8-729-271-22	s	2SC2712-G
Q854	8-729-982-22	s	2SB822
Q857	8-729-200-46	s	2SD1160
Q858	8-729-271-22	s	2SC2712-G
Q859	8-729-901-06	s	DTA144EK
Q860	8-729-901-01	s	DTA144EK
Q861	8-729-901-01	s	DTA144EK
Q901	8-729-200-46	s	2SD1160
Q902	8-729-216-21	s	2SA1162-Y
Q903	8-729-271-22	s	2SC2712-G
Q904	8-729-982-22	s	2SB822
Q905	8-729-271-22	s	2SC2712-G
Q906	8-729-271-22	s	2SC2712-G
Q907	8-729-200-46	s	2SD1160
Q908	8-729-901-06	s	DTA144EK
Q909	8-729-271-22	s	2SC2712-G
Q910	8-729-982-22	s	2SB822
Q911	8-729-901-01	s	DTA144EK

Ref No.	Parts No.	SP	Description
Q912	8-729-901-06	s	DTA144EK
Q913	8-729-203-38	s	2SC3326N
Q914	8-729-203-38	s	2SC3326N
Q915	8-729-271-22	s	2SC2712-G
Q916	8-729-271-22	s	2SC2712-G
Q951	8-729-200-46	s	2SD1160
Q952	8-729-216-21	s	2SA1162-Y
Q953	8-729-271-22	s	2SC2712-G
Q954	8-729-982-22	s	2SB822
Q955	8-729-271-22	s	2SC2712-G
Q956	8-729-271-22	s	2SC2712-G
Q957	8-729-200-46	s	2SD1160
Q958	8-729-901-06	s	DTA144EK
Q959	8-729-271-22	s	2SC2712-G
Q960	8-729-982-22	s	2SB822
Q961	8-729-901-01	s	DTA144EK
Q962	8-729-901-06	s	DTA144EK
Q963	8-729-202-38	s	2SC3326N
Q964	8-729-203-38	s	2SC3326N
Q965	8-729-271-22	s	2SC2712-G
Q966	8-729-271-22	s	2SC2712-G
R6	1-216-748-11	s	METAL CHIP 39k 5% 1/10W
R331	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
R334	1-216-673-11	s	METAL CHIP 8.2k 0.50% 1/10W
R381	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
R384	1-216-673-11	s	METAL CHIP 8.2k 0.50% 1/10W
R543	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R544	1-216-699-11	s	METAL CHIP 100k 0.50% 1/10W
R545	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R563	1-216-670-11	s	METAL CHIP 6.2k 0.50% 1/10W
R564	1-216-699-11	s	METAL CHIP 100k 0.50% 1/10W
R618	1-216-679-11	s	METAL CHIP 15k 0.50% 1/10W
R619	1-216-679-11	s	METAL CHIP 15k 0.50% 1/10W
R624	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
R626	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
R628	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
R630	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
RV2	1-228-472-00	s	VAR. CERMET 2k
RV3	1-228-475-00	s	VAR. CERMET 20k
RV4	1-228-472-00	s	VAR. CERMET 2k
RV101	1-230-526-11	s	VAR. METAL GLAZE 47k
RV102	1-230-523-11	s	VAR. METAL GLAZE 10k
RV103	1-230-523-11	s	VAR. METAL GLAZE 10k
RV201	1-230-526-11	s	VAR. METAL GLAZE 47k
RV202	1-230-523-11	s	VAR. METAL GLAZE 10k
RV203	1-230-523-11	s	VAR. METAL GLAZE 10k
RV301	1-230-521-11	s	VAR. METAL GLAZE 2.2k
RV302	1-230-522-11	s	VAR. METAL GLAZE 4.7k
RV303	1-230-522-11	s	VAR. METAL GLAZE 4.7k
RV304	1-230-528-11	s	VAR. METAL GLAZE 220k
RV351	1-230-521-11	s	VAR. METAL GLAZE 2.2k
RV352	1-230-522-11	s	VAR. METAL GLAZE 4.7k

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

RV353 1-230-522-11 s VAR. METAL GLAZE 4.7k
 RV354 1-230-528-11 s VAR. METAL GLAZE 220k
 RV402 1-230-526-11 s VAR. METAL GLAZE 47k
 RV403 1-230-522-11 s VAR. METAL GLAZE 4.7k
 RV404 1-228-458-00 s VAR. CERMET 5k

RV405 1-230-523-11 s VAR. METAL GLAZE 10k
 RV452 1-230-526-11 s VAR. METAL GLAZE 47k
 RV453 1-230-522-11 s VAR. METAL GLAZE 4.7k
 RV454 1-228-457-00 s VAR. CERMET 2k
 RV455 1-230-523-11 s VAR. METAL GLAZE 10k

RV547 1-230-520-11 s VAR. METAL GLAZE 1k
 RV548 1-230-523-11 s VAR. METAL GLAZE 10k
 RV549 1-228-460-00 s VAR. CERMET 20k
 RV550 1-230-526-11 s VAR. METAL GLAZE 47k
 RV551 1-230-527-11 s VAR. METAL GLAZE 100k

RV701 1-230-526-11 s VAR. METAL GLAZE 47k
 RV702 1-230-522-11 s VAR. METAL GLAZE 4.7k
 RV801 1-230-524-11 s VAR. METAL GLAZE 22k
 RV851 1-230-521-11 s VAR. METAL GLAZE 2.2k
 RV901 1-230-519-11 s VAR. METAL GLAZE 470

RV902 1-230-519-11 s VAR. METAL GLAZE 470
 RV903 1-230-521-11 s VAR. METAL GLAZE 2.2k
 RV951 1-230-519-11 s VAR. METAL GLAZE 470
 RV952 1-230-519-11 s VAR. METAL GLAZE 470
 RV953 1-230-521-11 s VAR. METAL GLAZE 2.2k

S1 1-570-373-11 s SLIDE
 S2 1-570-374-11 s SLIDE

BC-14 BOARD

△ 1-622-898-12 o PRINTED CIRCUIT BOARD, BC-14

1-553-189-11 o HOLDER, FUSE

△FI 1-532-749-11 s GLASS TUBE 8A

BC-17 BOARD

△ 1-631-613-11 o PRINTED CIRCUIT BOARD, BC-17

BT1 1-528-291-11 BATTERY, SUPER LITHIUM

CI 1-124-893-11 s ELECT 2200 20% 10V

DI 8-719-981-01 s ERA81-004

RI 1-249-417-11 s CARBON 1K 5% 1/4W

Ref No. Parts No. SP Description

BF-29 BOARD

A-6725-576-A o MOUNTED CIRCUIT BOARD, BF-29

CI 1-135-088-21 s TANTAL. CHIP 2.2 10% 20V
 C3 1-135-100-21 s TANTAL. CHIP 6.8 20% 6.3V
 C4 1-135-100-21 s TANTAL. CHIP 6.8 20% 6.3V
 C5 1-135-100-21 s TANTAL. CHIP 6.8 20% 6.3V
 C6 1-135-100-21 s TANTAL. CHIP 6.8 20% 6.3V

C8 1-135-088-21 s TANTAL. CHIP 2.2 10% 20V

CN1 1-564-002-00 o PIN, 3P
 CN2 1-564-007-00 o PIN, 8P
 CN3 1-564-006-11 o PIN, 7P

FBI 1-543-309-12 s BEAD, FERRITE

IC1 8-759-100-97 s uPC339G2 (NEC)
 IC2 8-759-208-11 s TC4053BFHB (TOSHIBA)

Q1 8-729-201-27 s 2SC2715-Y
 Q2 8-729-216-21 s 2SA1162-Y
 Q3 8-729-216-21 s 2SA1162-Y

RV1 1-237-703-11 s VAR. CARBON 5k
 RV2 1-230-524-11 s VAR. METAL GLAZE 22k
 RV3 1-237-764-12 s VAR. CARBON 100k

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

CEC-3P BOARD

This board includes the CF-29, CL-15, CL-16, DL-14,
DL-15, DL-17, ED-18, EQ-23, LM-15,
LM-16 and NR-18 Boards.

A-6711-868-A o MOUNTED CIRCUIT BOARD, CEC-3P

C5 1-124-444-00 s ELECT 220 20% 6.3V6)
C7 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C9 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C10 1-124-444-00 s ELECT 220 20% 6.3V
C13 1-135-093-21 s TANTAL. CHIP 10 10% 10V

C14 1-135-083-00 s TANTAL. CHIP 0.47 10% 25V
C19 1-135-093-21 s TANTAL. CHIP 10 10% 10V
C26 1-135-099-00 s TANTAL. CHIP 2.2 10% 6.3V
C27 1-135-099-00 s TANTAL. CHIP 2.2 10% 6.3V
C29 1-162-638-11 s CERAMIC CHIP 1 16V

C31 1-124-236-00 s ELECT 47 20% 10V
C33 1-126-154-11 s ELECT 47 20% 6.3V
C35 1-126-154-11 s ELECT 47 20% 6.3V
C37 1-126-154-11 s ELECT 47 20% 6.3V
C38 1-126-154-11 s ELECT 47 20% 6.3V

C39 1-124-120-11 s ELECT 220 20% 16V
C40 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C45 1-126-154-11 s ELECT 47 20% 6.3V
C47 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C48 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V

C49 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C51 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
C53 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
C55 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
C56 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V

C58 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
C69 1-163-111-00 s CERAMIC CHIP 56PF 5% 50V
C70 1-163-111-00 s CERAMIC CHIP 56PF 5% 50V
C72 1-163-119-00 s CERAMIC CHIP 120PF 5% 50V
C74 1-135-103-00 s TANTAL. CHIP 3.3 10% 4V

C75 1-135-103-00 s TANTAL. CHIP 3.3 10% 4V
C86 1-163-103-00 s CERAMIC CHIP 27PF 5% 50V
C87 1-163-103-00 s CERAMIC CHIP 27PF 5% 50V
C121 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
C123 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V

C124 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
C141 1-123-622-00 s ELECT 22 20% 16V
C142 1-124-638-11 s ELECT 22 20% 10V
C147 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C148 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V

C149 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C150 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C166 1-126-154-11 s ELECT 47 20% 6.3V
C167 1-126-154-11 s ELECT 47 20% 6.3V
C168 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V

C169 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C170 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C171 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C195 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C196 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V

C197 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C198 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C199 1-162-726-11 s CERAMIC CHIP 470PF 5% 50V
C502 1-135-093-21 s TANTAL. CHIP 10 10% 10V
C503 1-135-083-00 s TANTAL. CHIP 0.47 10% 25V

Ref No. Parts No. SP Description

C509 1-135-093-21 s TANTAL. CHIP 10 10% 10V
C512 1-135-093-21 s TANTAL. CHIP 10 10% 10V
C537 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C549 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C557 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V

C558 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C571 1-163-103-00 s CERAMIC CHIP 27PF 5% 50V
C573 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C582 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C583 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V

C584 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C585 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
C587 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V

CN1 1-566-566-11 o TX(P.L) (PC BOARD)40P

D41 8-719-101-23 s ISS123
D42 8-719-106-16 s RD6.8M-B1
D43 8-719-106-16 s RD6.8M-B1
D502 8-719-101-23 s ISS123
D503 8-719-100-03 s IS2835

D504 8-719-101-23 s ISS123

FB1 1-543-309-12 s BE AD, FERRITE

FL1 1-235-322-11 s LOW PASS (LPF-B)
FL2 1-235-322-11 s LOW PASS (LPF-B)
FL3 1-235-759-11 s LOW PASS
FL4 1-235-759-11 s LOW PASS
FL5 1-235-321-11 s LOW PASS (LPF-A)

FL6 1-235-321-11 s LOW PASS (LPF-A)
FL151 1-235-321-11 s LOW PASS (LPF-A)
FL152 1-235-321-11 s LOW PASS (LPF-A)

IC1 1-808-038-21 s BS-6336A
IC2 8-759-240-53 s TC4053BF (TOSHIBA)
IC3 8-759-201-47 s TA7357AP (TOSHIBA)
IC4 8-759-902-88 s SN74LS123NS (TI)
IC5 8-759-907-81 s SN74LS221NS (TI)

IC6 8-749-901-21 s BX1461 (SONY)
IC7 8-759-931-43 s SN74LS624NS (TI)
IC8 8-759-400-06 s AN608P (MATSUSHITA)
IC9 8-759-400-06 s AN608P (MATSUSHITA)
9) IC10 1-808-038-11 s BS-6336

10) IC10 1-808-038-21 s BS-6336A
IC11 8-759-240-53 s TC4053BF (TOSHIBA)
IC12 8-759-240-53 s TC4053BF (TOSHIBA)
IC13 1-808-038-21 s BS-6336A
IC14 8-759-240-53 s TC4053BF (TOSHIBA)

IC15 1-808-743-11 s CIRCUIT UNIT, HIC. VA
IC151 8-759-240-53 s TC4053BF (TOSHIBA)
IC152 1-808-038-21 s BS-6336A
IC153 8-759-208-09 s TC4052BFHB (TOSHIBA)
IC154 8-759-200-99 s TC4051BF (TOSHIBA)

IC155 8-759-208-09 s TC4052BFHB (TOSHIBA)

Parts that are not listed in the "reference numbers order list"
are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

IC156 8-759-200-99 s TC4051BF (TOSHIBA)
 IC157 1-808-038-21 s BS-6336A
 IC158 1-808-038-21 s BS-6336A
 IC159 1-808-038-21 s BS-6336A
 IC160 8-759-908-17 s TL082CPS (TI)

IC501 8-759-201-47 s TA7357AP(TI)
 IC502 8-759-105-49 s uPC319C2 (NEC)
 IC503 8-759-925-90 s SN74HC74NS (TI)
 IC504 8-759-908-17 s TL082CPS (TI)
 IC505 8-759-907-81 s SN74LS221NS (TI)

IC506 8-759-240-53 s TC4053BF (TOSHIBA)
 IC507 8-759-907-81 s SN74LS221NS (TI)
 IC508 8-759-907-81 s SN74LS221NS (TI)
 IC509 8-749-901-21 s BX1461 (SONY)
 IC510 8-759-908-17 s TL082CPS (TI)

IC511 1-464-608-21 s CIRCUIT UNIT, VCO
 IC512 8-759-907-81 s SN74LS221NS (TI)
 IC513 8-759-907-81 s SN74LS221NS (TI)
 IC514 8-759-204-94 s TC74HC00F (TOSHIBA)
 IC515 8-759-907-81 s SN74LS221NS (TI)

IC516 8-759-907-81 s SN74LS221NS (TI)
 IC517 8-749-901-21 s BX1461 (SONY)
 IC518 1-464-608-21 s CIRCUIT UNIT, VCO
 IC520 8-759-922-29 s CX23084 (SONY)
 IC521 8-759-204-94 s TC74HC00F (TOSHIBA)

IC523 8-759-925-85 s SN74HC32NS (TI)

L1 1-408-778-21 s CHIP 12
 L31 1-408-785-21 s CHIP 47
 L32 1-408-785-21 s CHIP 47
 L33 1-408-785-21 s CHIP 47
 L34 1-408-785-21 s CHIP 47

L35 1-408-785-21 s CHIP 47
 L41 1-408-785-21 s CHIP 47
 L42 1-408-785-21 s CHIP 47
 L43 1-408-785-21 s CHIP 47
 L44 1-408-785-21 s CHIP 47

L61 1-408-785-21 s CHIP 47
 L62 1-408-785-21 s CHIP 47
 L63 1-408-785-21 s CHIP 47
 L64 1-408-785-21 s CHIP 47
 L71 1-408-778-21 s CHIP 12

L81 1-408-785-21 s CHIP 47
 L82 1-408-785-21 s CHIP 47
 L131 1-408-785-21 s CHIP 47
 L132 1-408-785-21 s CHIP 47
 L151 1-408-785-21 s CHIP 47

L152 1-410-713-21 s CHIP 47
 L153 1-410-713-21 s CHIP 47
 L154 1-408-787-00 s CHIP 68
 L161 1-408-785-21 s CHIP 47
 L162 1-408-785-21 s CHIP 47

L163 1-408-777-00 s CHIP 10
 L173 1-408-777-00 s CHIP 10
 L181 1-408-785-21 s CHIP 47
 L182 1-408-785-21 s CHIP 47
 L518 1-408-785-21 s CHIP 47

Ref No. Parts No. SP Description

L519 1-408-785-21 s CHIP 47
 L520 1-408-785-21 s CHIP 47
 L546 1-408-785-21 s CHIP 47
 L547 1-408-785-21 s CHIP 47
 L548 1-408-785-21 s CHIP 47

L559 1-408-785-21 s CHIP 47
 L589 1-408-785-21 s CHIP 47

Q1 8-729-216-21 s 2SA1162-Y
 Q2 8-729-201-27 s 2SC2715-Y
 Q3 8-729-216-21 s 2SA1162-Y
 Q4 8-729-201-27 s 2SC2715-Y
 Q6 8-729-901-01 s DTC144EK

Q7 8-729-901-01 s DTC144EK
 Q9 8-729-201-27 s 2SC2715-Y
 Q10 8-729-201-27 s 2SC2715-Y
 Q16 8-729-216-21 s 2SA1162-Y
 Q17 8-729-201-27 s 2SC2715-Y

Q20 8-729-201-27 s 2SC2715-Y
 Q21 8-729-216-21 s 2SA1162-Y
 Q31 8-729-201-27 s 2SC2715-Y
 Q32 8-729-201-27 s 2SC2715-Y
 Q33 8-729-216-21 s 2SA1162-Y

Q34 8-729-216-21 s 2SA1162-Y
 Q41 8-729-982-22 s 2SB822
 Q42 8-729-982-22 s 2SB822
 Q43 8-729-982-22 s 2SB822
 Q44 8-729-901-01 s DTC144EK

Q45 8-729-905-52 s 2SD1055-R
 Q46 8-729-982-22 s 2SB822
 Q47 8-729-901-01 s DTC144EK
 Q48 8-729-905-52 s 2SD1055-R
 Q151 8-729-201-27 s 2SC2715-Y

Q152 8-729-201-27 s 2SC2715-Y
 Q153 8-729-201-27 s 2SC2715-Y
 Q154 8-729-216-21 s 2SA1162-Y
 Q155 8-729-201-27 s 2SC2715-Y
 Q156 8-729-216-21 s 2SA1162-Y

Q157 8-729-216-21 s 2SA1162-Y
 Q501 8-729-200-86 s 2SC2714-0
 Q901 8-729-216-21 s 2SA1162-Y

R2 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
 R3 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R5 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R6 1-216-685-11 s METAL CHIP 27k 0.50% 1/10W
 R7 1-216-645-11 s METAL CHIP 560 0.50% 1/10W

R8 1-216-619-11 s METAL CHIP 47 0.50% 1/10W
 R10 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
 R11 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
 R14 1-216-683-11 s METAL CHIP 22k 0.50% 1/10W
 R15 1-216-643-11 s METAL CHIP 470 0.50% 1/10W

R16 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R27 1-216-681-11 s METAL CHIP 18k 0.50% 1/10W
 R28 1-216-683-11 s METAL CHIP 22k 0.50% 1/10W

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

R29 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R30 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R31 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R37 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W
 R43 1-216-687-11 s METAL CHIP 33k 0.50% 1/10W

R46 1-216-644-11 s METAL CHIP 510 0.50% 1/10W
 R47 1-216-649-11 s METAL CHIP 820 0.50% 1/10W
 R48 1-216-654-11 s METAL CHIP 1.3k 0.50% 1/10W
 R51 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R52 1-216-631-11 s METAL CHIP 150 0.50% 1/10W
 R53 1-216-647-11 s METAL CHIP 680 0.50% 1/10W

R56 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R57 1-216-631-11 s METAL CHIP 150 0.50% 1/10W
 R58 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
 R63 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W
 R68 1-216-683-11 s METAL CHIP 22k 0.50% 1/10W

R71 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R94 1-216-748-11 s METAL CHIP 39k 5% 1/10W
 R97 1-216-748-11 s METAL CHIP 39k 5% 1/10W
 R101 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R102 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

R103 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
 R104 1-216-677-11 s METAL CHIP 12k 0.50% 1/10W
 R105 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R106 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R107 1-216-655-11 s METAL CHIP 1.5k 0.50% 1/10W

R108 1-216-637-11 s METAL CHIP 270 0.50% 1/10W
 R111 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R114 1-216-677-11 s METAL CHIP 12k 0.50% 1/10W
 R115 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R116 1-216-643-11 s METAL CHIP 470 0.50% 1/10W

R117 1-216-655-11 s METAL CHIP 1.5k 0.50% 1/10W
 R118 1-216-637-11 s METAL CHIP 270 0.50% 1/10W
 R124 1-216-624-11 s METAL CHIP 75 0.50% 1/10W
 R151 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
 R152 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W

R153 1-216-661-11 s METAL CHIP 2.7k 0.50% 1/10W
 R154 1-216-661-11 s METAL CHIP 2.7k 0.50% 1/10W
 R155 1-216-661-11 s METAL CHIP 2.7k 0.50% 1/10W
 R157 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
 R158 1-216-655-11 s METAL CHIP 1.5k 0.50% 1/10W

R159 1-216-640-11 s METAL CHIP 360 0.5% 1/10W
 R161 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R162 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R164 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R165 1-216-679-11 s METAL CHIP 15k 0.50% 1/10W

R166 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R170 1-216-655-11 s METAL CHIP 1500 0.50% 1/10W
 R171 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R172 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R174 1-216-643-11 s METAL CHIP 470 0.50% 1/10W

R175 1-216-679-11 s METAL CHIP 15k 0.50% 1/10W
 R176 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R178 1-216-655-11 s METAL CHIP 1500 0.50% 1/10W
 R181 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R182 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

R184 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R185 1-216-683-11 s METAL CHIP 22k 0.50% 1/10W
 R186 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R191 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R192 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W

Ref No. Parts No. SP Description

R193 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 7) R500 1-216-655-11 s METAL CHIP 1.5k 0.50% 1/10W
 8) R500 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W
 R513 1-216-671-11 s METAL CHIP 6.8k 0.50% 1/10W
 R514 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W

R515 1-216-673-11 s METAL CHIP 8.2k 0.50% 1/10W
 R519 1-216-699-11 s METAL CHIP 100k 0.50% 1/10W
 R523 1-216-671-11 s METAL CHIP 6.8k 0.50% 1/10W
 R524 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R526 1-216-639-11 s METAL CHIP 330 0.50% 1/10W

R531 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R532 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R533 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R534 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R535 1-216-685-11 s METAL CHIP 27k 0.50% 1/10W

R536 1-216-673-11 s METAL CHIP 8.2k 0.50% 1/10W
 R539 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R540 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R541 1-216-671-11 s METAL CHIP 6.8k 0.50% 1/10W
 R542 1-216-687-11 s METAL CHIP 35k 0.50% 1/10W

R543 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W
 R544 1-216-662-11 s METAL CHIP 3k 0.50% 1/10W
 R551 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R552 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R553 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W

R554 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R555 1-216-685-11 s METAL CHIP 27k 0.50% 1/10W
 R556 1-216-673-11 s METAL CHIP 8.2k 0.50% 1/10W
 R558 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W
 R559 1-216-662-11 s METAL CHIP 3k 0.50% 1/10W

RV2 1-228-458-00 s VAR, CERMET 5k
 RV3 1-228-456-00 s VAR, CERMET 1k
 RV4 1-228-458-00 s VAR, CERMET 5k
 RV5 1-228-457-00 s VAR, CERMET 2k
 RV151 1-228-456-00 s VAR, CERMET 1k

RV152 1-228-456-00 s VAR, CERMET 1k
 RV501 1-228-459-00 s VAR, CERMIT 10k
 RV502 1-228-457-00 s VAR, CERMIT 2k
 RV503 1-228-459-00 s VAR, CERMIT 10k
 RV504 1-228-457-00 s VAR, CERMIT 2k

RV505 1-228-459-00 s VAR, CERMIT 10k
 RV506 1-228-459-00 s VAR, CERMIT 10k
 RV507 1-228-477-00 s VAR, CERMIT 100k

TH1 1-800-200-00 s S-3K
 TH2 1-800-200-00 s S-3K
 TH3 1-800-202-XX s S-10K
 TH151 1-800-202-XX s S-10K
 TH152 1-800-202-XX s S-10K

TH153 1-800-202-XX s S-10K
 TH154 1-800-198-XX s S-1K
 TH155 1-800-198-XX s S-1K
 TH501 1-800-200-00 s S-3K
 TH502 1-800-198-XX s S-1K

TH503 1-800-202-XX s S-10K
 TH504 1-800-202-XX s S-10K

S1 1-570-373-11 s SLIDE

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
X1	1-567-863-11	s	VIBRATOR, CRYSTAL 10.6641MHZ

CF-29 BOARD

All of the component parts on the CF-29 Board are supplied together when you order the CEC-3P Board.

1-622-868-11 o PRINTED CIRCUIT BOARD, CF-29

C3 1-135-124-21 s TANTAL. CHIP 22 20% 10V

CN1 1-564-549-11 o PIN, BOARD TO BOARD 10P

IC1 8-759-400-06 s AN608P (MATSUSHITA)

Q1 8-729-271-22 s 2SC2712-G
Q2 8-729-271-22 s 2SC2712-G
Q3 8-729-271-22 s 2SC2712-G
Q6 8-729-216-21 s 2SA1162-Y
Q7 8-729-216-21 s 2SA1162-Y

Q8 8-729-271-22 s 2SC2712-G
Q9 8-729-271-22 s 2SC2712-G
Q10 8-729-216-21 s 2SA1162-Y
Q11 8-729-271-22 s 2SC2712-G
Q12 8-729-271-22 s 2SC2712-G

Q13 8-729-216-21 s 2SA1162-Y
Q14 8-729-216-21 s 2SA1162-Y
Q15 8-729-271-22 s 2SC2712-G
Q16 8-729-271-22 s 2SC2712-G
Q17 8-729-271-22 s 2SC2712-G

CL-15 BOARD

All of the component parts on the CL-15 Board are supplied together when you order the CEC-3P Board.

1-622-869-11 o PRINTED CIRCUIT BOARD, CL-15

C2 1-162-638-11 s CERAMIC CHIP 1 16V
C4 1-162-638-11 s CERAMIC CHIP 1 16V

Q1 8-729-109-44 s 2SK94
Q2 8-729-109-44 s 2SK94
Q3 8-729-109-44 s 2SK94
Q11 8-729-109-44 s 2SK94
Q12 8-729-109-44 s 2SK94

Q13 8-729-109-44 s 2SK94
Q21 8-729-109-44 s 2SK94
Q22 8-729-109-44 s 2SK94
Q23 8-729-109-44 s 2SK94

Ref No.	Parts No.	SP	Description
---------	-----------	----	-------------

CL-16 BOARD

All of the component parts on the CL-16 Board are supplied together when you order the CEC-3P Board.

1-622-870-11 o PRINTED CIRCUIT BOARD, CL-16

C31 1-162-638-11 s CERAMIC CHIP 1 16V

C32 1-162-638-11 s CERAMIC CHIP 1 16V

Q1 8-729-201-27 s 2SC2715-Y
Q2 8-729-109-44 s 2SK94
Q3 8-729-109-44 s 2SK94
Q4 8-729-109-44 s 2SK94
Q11 8-729-201-27 s 2SC2715-Y

Q12 8-729-109-44 s 2SK94
Q13 8-729-109-44 s 2SK94
Q14 8-729-109-44 s 2SK94
Q21 8-729-201-27 s 2SC2715-Y
Q22 8-729-109-44 s 2SK94

Q23 8-729-109-44 s 2SK94
Q24 8-729-109-44 s 2SK94

CN-185 BOARD

1-622-905-15 s PRINTED CIRCUIT BOARD, CN-185

CN1 1-562-717-11 o SOCKET, 34P

R1 1-216-624-11 s METAL CHIP 75 0.50% 1/10W
R2 1-216-624-11 s METAL CHIP 75 0.50% 1/10W
R3 1-216-609-11 s METAL CHIP 18 0.50% 1/10W
R4 1-216-621-11 s METAL CHIP 56 0.50% 1/10W
R5 1-216-609-11 s METAL CHIP 18 0.50% 1/10W

R6 1-216-621-11 s METAL CHIP 56 0.50% 1/10W
R7 1-216-624-11 s METAL CHIP 75 0.50% 1/10W

S1 1-571-098-11 s SLIDE

CO-8 BOARD

All of the component parts on the CO-8 Board are supplied together when you order the AU-93P Board.

1-622-885-11 o PRINTED CIRCUIT BOARD, CO-8

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

C1 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C2 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C12 1-135-101-21 s TANTAL. CHIP 22 10% 6.3V
 C14 1-135-093-21 s TANTAL. CHIP 10 10% 6.3V
 C15 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V

C22 1-135-101-21 s TANTAL. CHIP 22 10% 6.3V
 C24 1-135-093-21 s TANTAL. CHIP 10 10% 6.3V
 C25 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V

CN1 1-564-594-11 o PIN, BOARD TO BOARD 10P

IC1 8-759-700-09 s NJM2043M-D(JRC)
 IC2 8-759-700-84 s NJM2041M-D(JRC)

L11 1-408-798-00 s CHIP 1mH
 L21 1-408-798-00 s CHIP 1mH

Q1 8-729-271-22 s 2SC2712-G
 Q2 8-729-216-21 s 2SA1162-Y

RV1 1-228-471-00 s VAR, CERMET 1k
 RV2 1-228-471-00 s VAR, CERMET 1k

CON-12 BOARD

1-622-913-13 o PRINTED CIRCUIT BOARD, CON-12

1-564-026-00 s CONTACT, RECEPTACLE

S1 1-570-857-11 s SLIDE
 S2 1-570-857-11 s SLIDE
 S3 1-570-857-11 s SLIDE

CP-114 BOARD

A-6713-296-A o MOUNTED CIRCUIT BOARD, CP-114

C1 1-124-360-00 s ELECT 1000 20% 16V
 C2 1-124-360-00 s ELECT 1000 20% 16V
 C15 1-124-443-00 s ELECT 100 20% 10V

IC1 8-749-901-29 s BX1481(SONY)
 IC2 8-749-901-29 s BX1481(SONY)
 IC3 8-749-901-29 s BX1481(SONY)
 IC4 8-749-901-29 s BX1481(SONY)

Ref No. Parts No. SP Description

R13 1-216-608-11 s METAL CHIP 16 0.50% 1/10W
 R14 1-216-608-11 s METAL CHIP 16 0.50% 1/10W
 R23 1-216-608-11 s METAL CHIP 16 0.50% 1/10W
 R24 1-216-608-11 s METAL CHIP 16 0.50% 1/10W
 R33 1-216-608-11 s METAL CHIP 16 0.50% 1/10W

R34 1-216-608-11 s METAL CHIP 16 0.50% 1/10W
 R43 1-216-608-11 s METAL CHIP 16 0.50% 1/10W
 R44 1-216-608-11 s METAL CHIP 16 0.50% 1/10W

CS-22 BOARD

1-622-900-12 o PRINTED CIRCUIT BOARD, CS-22

S1 1-571-064-11 s MICRO

DC-33 BOARD

All of the component parts on the DC-33 Board are supplied together when you order the AU-93P Board.

1-622-886-11 o PRINTED CIRCUIT BOARD, DC-33

C3 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C8 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V

Q1 8-729-271-22 s 2SC2712-G
 Q2 8-729-271-22 s 2SC2712-G

RV1 1-228-475-00 s VAR, CERMET 20k
 RV2 1-228-474-11 s VAR, CERMET 10k
 RV3 1-228-475-00 s VAR, CERMET 20k
 RV4 1-228-474-00 s VAR, CERMET 10k

DC-35 BOARD

1-622-907-12 o PRINTED CIRCUIT BOARD, DC-35

C52 1-124-556-11 s ELECT 2200 20% 16V

D51 8-719-908-00 s ESAC33-02CS

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

DE-19 BOARD

All of the component parts on the DE-19 Board are supplied together when you order the MB-157 Board.

1-622-871-12 o PRINTED CIRCUIT BOARD, DE-19

C11 1-161-494-00 s CERAMIC 0.022 25V
C12 1-124-255-00 s ELECT 1 20% 50V
C13 1-161-494-00 s CERAMIC 0.022 25V
C14 1-124-255-00 s ELECT 1 20% 50V
C15 1-161-494-00 s CERAMIC 0.022 25V

C16 1-124-255-00 s ELECT 1 20% 50V
C17 1-124-255-00 s ELECT 1 20% 50V
C18 1-124-255-00 s ELECT 1 20% 50V

CN23 1-566-482-11 o PIN, SOCKET 10P

D11 8-719-911-19 s ISS119
D12 8-719-911-19 s ISS119
D13 8-719-911-19 s ISS119
D14 8-719-911-19 s ISS119
D15 8-719-911-19 s ISS119

D16 8-719-911-19 s ISS119

IC11 8-759-007-40 s TL082CP (TI)

Q11 8-729-902-11 s 2SC2021
Q12 8-729-902-11 s 2SC2021
Q13 8-729-902-11 s 2SC2021
Q14 8-729-993-72 s 2SA937
Q15 8-729-902-11 s 2SC2021

DEC-49P BOARD

A-6727-142-A o MOUNTED CIRCUIT BOARD, DEC-49P
7-685-104-19 s SCREW +P 2X6 TYPE2 NON-SLIT

C1 1-124-225-00 s ELECT 100 20% 6.3V
C2 1-124-584-00 s ELECT 100 20% 10V
C3 1-124-589-11 s ELECT 47 20% 16V
C4 1-124-225-00 s ELECT 100 20% 6.3V
C5 1-124-589-11 s ELECT 47 20% 16V

C6 1-126-157-11 s ELECT 10 20% 16V
C7 1-124-584-00 s ELECT 100 20% 10V
C8 1-126-157-11 s ELECT 10 20% 16V
C9 1-124-225-00 s ELECT 100 20% 6.3V
C10 1-126-157-11 s ELECT 10 20% 16V

C11 1-124-225-00 s ELECT 100 20% 6.3V
C101 1-124-584-00 s ELECT 100 20% 10V
C102 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
C103 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
C104 1-124-225-00 s ELECT 100 20% 6.3V

Ref. No. Parts No. SP Description

C109 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
C110 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
C111 1-126-157-11 s ELECT 10 20% 16V
C112 1-163-111-00 s CERAMIC CHIP 56PF 5% 50V
C114 1-135-145-11 s TANTALUM CHIP 0.47 10% 35V

C118 1-126-157-11 s ELECT 10 20% 16V
C201 1-124-584-00 s ELECT 100 20% 10V
C202 1-124-584-00 s ELECT 100 20% 10V
C203 1-124-584-00 s ELECT 100 20% 10V
C204 1-124-225-00 s ELECT 100 20% 6.3V

C205 1-124-225-00 s ELECT 100 20% 6.3V
C206 1-124-225-00 s ELECT 100 20% 6.3V
C209 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
C210 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
C211 1-126-154-11 s ELECT 47 20% 6.3V

C212 1-162-638-11 s CERAMIC CHIP 1 16V
C213 1-126-154-11 s ELECT 47 20% 6.3V
C301 1-124-229-00 s ELECT 33 20% 10V
C302 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
C303 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C304 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
C351 1-124-234-00 s ELECT 22 20% 16V
C352 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
C356 1-135-155-21 s TANTAL CHIP 4.7 10% 16V
C358 1-162-638-11 s CERAMIC CHIP 1 16V

C359 1-135-155-21 s TANTAL CHIP 4.7 10% 16V
C360 1-135-155-21 s TANTAL CHIP 4.7 10% 16V
C361 1-135-155-21 s TANTAL CHIP 4.7 10% 16V
C364 1-162-638-11 s CERAMIC CHIP 1 16V
C401 1-124-225-00 s ELECT 100 20% 6.3V

C402 1-162-638-11 s CERAMIC CHIP 1 16V
C406 1-126-101-11 s ELECT 100 20% 16V
C407 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
C411 1-135-155-21 s TANTAL CHIP 4.7 10% 16V
C501 1-124-584-00 s ELECT 100 20% 10V

C502 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
C503 1-124-225-00 s ELECT 100 20% 6.3V
C504 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
C508 1-162-638-11 s CERAMIC CHIP 1 16V

C509 1-124-584-00 s ELECT 100 20% 10V
C516 1-163-115-00 s CERAMIC CHIP 82PF 5% 50V
C517 1-124-584-00 s ELECT 100 20% 10V
C518 1-135-159-21 s TANTALUM CHIP 10 10% 20V
C519 1-135-145-11 s TANTALUM CHIP 0.47 10% 35V

C520 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
C522 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
C523 1-126-154-11 s ELECT 47 20% 6.3V
C524 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
C525 1-126-154-11 s ELECT 47 20% 6.3V

C530 1-126-154-11 s ELECT 47 20% 6.3V
C531 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
C532 1-126-154-11 s ELECT 47 20% 6.3V
C533 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
C601 1-124-225-00 s ELECT 100 20% 6.3V

C602 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
C603 1-126-154-11 s ELECT 47 20% 6.3V
C604 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
C605 1-124-225-00 s ELECT 100 20% 6.3V
C606 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref. No. Parts No. SP Description

C607 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C608 1-126-153-11 s ELECT 22 20% 6.3V
 C609 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C612 1-126-157-11 s ELECT 10 20% 16V
 C613 1-135-073-00 s TANTALUM CHIP 0.33 10% 35V

C614 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C615 1-126-157-11 s ELECT 10 20% 16V
 C616 1-126-157-11 s ELECT 10 20% 16V
 C618 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C619 1-126-154-11 s ELECT 47 20% 6.3V

C620 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C621 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C622 1-126-153-11 s ELECT 22 20% 6.3V
 C623 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C626 1-126-157-11 s ELECT 10 20% 16V

C627 1-135-073-00 s TANTALUM CHIP 0.33 10% 35V
 C628 1-126-157-11 s ELECT 10 20% 16V
 C630 1-126-153-11 s ELECT 22 20% 6.3V
 C631 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C632 1-126-153-11 s ELECT 22 20% 6.3V

C633 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C636 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C637 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C639 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C640 1-126-157-11 s ELECT 10 20% 16V

C641 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C642 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C643 1-126-154-11 s ELECT 47 20% 6.3V
 C644 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C645 1-126-154-11 s ELECT 47 20% 6.3V

C647 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C648 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C652 1-135-074-21 s TANTALUM CHIP 0.47 10% 35V
 C654 1-162-638-11 s CERAMIC CHIP 1 16V
 C656 1-162-638-11 s CERAMIC CHIP 1 16V

C659 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C660 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C661 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C682 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C683 1-126-157-11 s ELECT 10 20% 16V

C685 1-124-225-00 s ELECT 100 20% 6.3V
 C701 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C702 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C703 1-126-157-11 s ELECT 10 20% 16V
 C711 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C712 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C713 1-126-157-11 s ELECT 10 20% 16V
 C714 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C715 1-126-154-11 s ELECT 47 20% 6.3V

CN1 1-566-566-11 o TX (P.L.) (PC BOARD) 40P
 CN2 1-506-469-11 o PIN, 4P

D1 8-719-106-16 s RDG. 8M-B1
 D2 8-719-106-52 s RD10M-B1
 D501 8-719-800-76 s 1SS226
 D502 8-719-800-76 s 1SS226
 D601 8-719-800-76 s 1SS226

D602 8-719-800-76 s 1SS226

Ref. No. Parts No. SP Description

DL101 1-415-404-31 s 280ns
 DL351 1-415-404-31 s 280ns
 DL352 1-415-404-31 s 280ns
 DL401 1-415-404-31 s 280ns
 DL501 1-415-309-00 s 350ns

DL502 1-415-339-00 s 300ns
 FL201 1-236-070-11 s LOW PASS
 FL501 1-235-759-11 s LOW PASS
 FL801 1-235-758-11 s LOW PASS
 FL602 1-235-758-11 s LOW PASS

IC1 8-759-100-95 s UPC324G2 (NEC)
 IC2 8-759-204-94 s TC74HC00F (TOSHIBA)
 IC101 8-759-201-47 s TA7357AP (TOSHIBA)
 IC102 8-759-205-21 s TC74HC221F (TOSHIBA)
 IC201 8-759-012-00 s MC10H116M (MOTOROLA)

IC351 8-752-201-30 s CX22013 (SONY)
 IC352 8-752-030-30 s CXA1020P (SONY)
 IC401 8-759-012-00 s MC10H116M (MOTOROLA)
 IC402 8-752-201-30 s CX22013 (SONY)
 IC501 8-752-015-81 s CX20158 (SONY)

IC601 8-759-111-69 s UPC1037HA (NEC)
 IC602 8-759-400-06 s AN608P (MATSUSHITA)
 IC603 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC604 8-759-111-69 s UPC1037HA (NEC)
 IC605 8-759-400-06 s AN608P (MATSUSHITA)

IC606 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC607 8-759-908-17 s TL082CPS (TI)
 IC608 8-759-105-49 s UPC319G2 (NEC)
 IC609 8-759-908-92 s TL084Cns (TI)
 IC610 8-759-208-11 s TC4053BFHB (TOSHIBA)

IC611 8-759-012-00 s MC10H116M (MOTOROLA)
 IC612 8-759-012-03 s MC10H131M (MOTOROLA)
 IC613 8-759-011-96 s MC10H107M (MOTOROLA)
 IC614 8-759-205-21 s TC74HC221F (TOSHIBA)
 IC615 8-759-205-21 s TC74HC221F (TOSHIBA)

IC616 8-759-206-28 s TC74HC123F (TOSHIBA)
 IC617 8-759-008-82 s MC14013BF (MOTOROLA)
 IC618 8-759-008-82 s MC14013BF (MOTOROLA)
 IC619 8-759-204-94 s TC74HC00F (TOSHIBA)
 IC620 8-759-925-72 s SN74HC02NS (TI)

IC621 8-759-902-88 s SN74LS123NS (TI)
 IC622 8-759-922-49 s SN74LS74ANS (TI)
 IC623 8-759-200-68 s TC4011BF (TOSHIBA)
 IC625 8-759-941-27 s MB4002PF (FUJITSU)
 IC626 8-759-922-49 s SN74LS74ANS (TI)

IC627 8-759-205-21 s TC74HC221F (TOSHIBA)
 IC628 8-759-204-72 s TC40H164F (TOSHIBA)
 IC629 8-759-907-81 s SN74LS221NS (TI)

L101 1-408-781-00 s CHIP 22
 L102 1-408-781-00 s CHIP 22
 L105 1-410-470-11 s CHIP 10
 L109 1-408-777-00 s CHIP 10
 L111 1-408-781-21 s CHIP 22

L201 1-408-781-00 s CHIP 22
 L202 1-408-781-00 s CHIP 22
 L203 1-408-781-00 s CHIP 22
 L301 1-408-781-00 s CHIP 22
 L351 1-408-777-00 s CHIP 10

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref. No. Parts No. SP Description

L352 1-408-782-11 s CHIP 27
 L401 1-408-781-00 s CHIP 22
 L402 1-408-777-00 s CHIP 10
 L501 1-408-777-00 s CHIP 10
 L502 1-408-785-21 s CHIP 47

L503 1-410-464-31 s CHIP 3.3
 L504 1-410-464-31 s CHIP 3.3
 L505 1-410-470-11 s CHIP 10
 L506 1-408-777-00 s CHIP 10
 L507 1-408-777-00 s CHIP 10

L508 1-408-777-00 s CHIP 10
 L509 1-408-777-00 s CHIP 10
 L510 1-408-788-21 s CHIP 82
 L511 1-408-771-11 s CHIP 3.3
 L512 1-408-793-21 s CHIP 220

L601 1-408-781-00 s CHIP 22
 L602 1-408-781-00 s CHIP 22
 L603 1-408-781-00 s CHIP 22
 L605 1-408-781-00 s CHIP 22
 L606 1-408-781-00 s CHIP 22

L608 1-408-784-11 s CHIP 39
 L609 1-408-781-00 s CHIP 22
 L611 1-408-781-00 s CHIP 22
 L612 1-408-781-00 s CHIP 22

Q1 8-729-101-07 s 2SB798
 Q2 8-729-216-22 s 2SA1162
 Q3 8-729-901-01 s DTC144EK
 Q4 8-729-807-50 s 2SD1623
 Q5 8-729-807-50 s 2SD1623

Q6 8-729-202-38 s 2SC3326N
 Q7 8-729-807-50 s 2SD1623
 Q8 8-729-216-22 s 2SA1162
 Q101 8-729-216-22 s 2SA1162
 Q102 8-729-201-26 s 2SC2715

Q103 8-729-201-26 s 2SC2715
 Q104 8-729-216-22 s 2SA1162
 Q105 8-729-216-22 s 2SA1162
 Q106 8-729-216-22 s 2SA1162
 Q108 8-729-216-22 s 2SA1162

Q109 8-729-216-22 s 2SA1162
 Q110 8-729-216-22 s 2SA1162
 Q201 8-729-201-26 s 2SC2715
 Q202 8-729-200-87 s 2SC2714Y
 Q203 8-729-200-87 s 2SC2714Y

Q204 8-729-200-87 s 2SC2714Y
 Q205 8-729-200-87 s 2SC2714Y
 Q206 8-729-200-87 s 2SC2714Y
 Q301 8-729-903-10 s FMW1
 Q302 8-729-201-26 s 2SC2715

Q303 8-729-903-10 s FMW1
 Q304 8-729-201-26 s 2SC2715
 Q305 8-729-201-26 s 2SC2715
 Q306 8-729-903-10 s FMW1
 Q307 8-729-201-26 s 2SC2715

Q351 8-729-201-26 s 2SC2715
 Q352 8-729-201-26 s 2SC2715
 Q353 8-729-201-26 s 2SC2715
 Q354 8-729-216-22 s 2SA1162
 Q401 8-729-202-38 s 2SC3326N

Ref. No. Parts No. SP Description

Q501 8-729-216-22 s 2SA1162
 Q502 8-729-201-26 s 2SC2715
 Q503 8-729-904-41 s FMW3
 Q504 8-729-201-26 s 2SC2715
 Q505 8-729-201-26 s 2SC2715

Q506 8-729-201-26 s 2SC2715
 Q507 8-729-201-26 s 2SC2715
 Q508 8-729-201-26 s 2SC2715
 Q509 8-729-216-22 s 2SA1162
 Q510 8-729-216-22 s 2SA1162

Q511 8-729-201-26 s 2SC2715
 Q512 8-729-201-26 s 2SC2715
 Q513 8-729-201-26 s 2SC2715
 Q514 8-729-122-63 s 2SA1226
 Q515 8-729-201-26 s 2SC2715

Q516 8-729-201-26 s 2SC2715
 Q517 8-729-109-43 s 2SK94-X3
 Q518 8-729-202-38 s 2SC3326N
 Q519 8-729-216-22 s 2SA1162
 Q520 8-729-201-26 s 2SC2715

Q521 8-729-216-22 s 2SA1162
 Q526 8-729-216-22 s 2SA1162
 Q527 8-729-201-26 s 2SC2715
 Q529 8-729-201-26 s 2SC2715
 Q601 8-729-216-22 s 2SA1162

Q602 8-729-201-26 s 2SC2715
 Q603 8-729-202-38 s 2SC3326N
 Q604 8-729-201-26 s 2SC2715
 Q605 8-729-216-22 s 2SA1162
 Q606 8-729-201-26 s 2SC2715

Q607 8-729-202-38 s 2SC3326N
 Q608 8-729-201-26 s 2SC2715
 Q609 8-729-201-26 s 2SC2715
 Q610 8-729-216-22 s 2SA1162
 Q611 8-729-201-26 s 2SC2715

Q612 8-729-216-22 s 2SA1162
 Q614 8-729-901-01 s DTC144EK
 Q615 8-729-901-06 s DTA144EK
 Q616 8-729-901-06 s DTA144EK
 Q617 8-729-901-06 s DTA144EK

R103 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R105 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R106 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R112 1-216-667-11 s METAL CHIP 4.7K 0.50% 1/10W
 R118 1-216-635-11 s METAL CHIP 220 0.50% 1/10W

R119 1-216-635-11 s METAL CHIP 220 0.50% 1/10W
 R128 1-216-671-11 s METAL CHIP 6.8K 0.50% 1/10W
 R129 1-216-650-11 s METAL CHIP 910 0.50% 1/10W
 R208 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R210 1-216-647-11 s METAL CHIP 680 0.50% 1/10W

R212 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R214 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R216 1-216-619-11 s METAL CHIP 47 0.50% 1/10W
 R230 1-216-649-11 s METAL CHIP 820 0.50% 1/10W
 R231 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W

R237 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R301 1-216-674-11 s METAL CHIP 9.1K 0.50% 1/10W
 R302 1-216-667-11 s METAL CHIP 4.7K 0.50% 1/10W
 R309 1-216-674-11 s METAL CHIP 9.1K 0.50% 1/10W
 R310 1-216-667-11 s METAL CHIP 4.7K 0.50% 1/10W

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref. No. Parts No. SP Description

R317 1-216-674-11 s METAL CHIP 9.1K 0.50% 1/10W
 R318 1-216-667-11 s METAL CHIP 4.7K 0.50% 1/10W
 R350 1-216-635-11 s METAL CHIP 220 0.50% 1/10W
 R353 1-216-635-11 s METAL CHIP 220 0.50% 1/10W
 R355 1-216-645-11 s METAL CHIP 560 0.50% 1/10W

R358 1-216-635-11 s METAL CHIP 220 0.50% 1/10W
 R359 1-216-635-11 s METAL CHIP 220 0.50% 1/10W
 R366 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R409 1-216-635-11 s METAL CHIP 220 0.50% 1/10W
 R410 1-216-635-11 s METAL CHIP 220 0.50% 1/10W

R502 1-216-634-11 s METAL CHIP 200 0.50% 1/10W
 R503 1-216-634-11 s METAL CHIP 200 0.50% 1/10W
 R508 1-216-637-11 s METAL CHIP 270 0.50% 1/10W
 R510 1-216-635-11 s METAL CHIP 220 0.50% 1/10W
 R512 1-216-655-11 s METAL CHIP 1.5K 0.50% 1/10W
 R514 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W

R515 1-216-681-11 s METAL CHIP 18K 0.50% 1/10W
 R517 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R524 1-216-640-11 s METAL CHIP 360 0.50% 1/10W
 R530 1-216-655-11 s METAL CHIP 1.5K 0.50% 1/10W
 R532 1-216-677-11 s METAL CHIP 12K 0.50% 1/10W

R533 1-216-653-11 s METAL CHIP 1.2K 0.50% 1/10W
 R535 1-216-645-11 s METAL CHIP 560 0.50% 1/10W
 R541 1-216-659-11 s METAL CHIP 2.2K 0.50% 1/10W
 R546 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R549 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W

R564 1-216-627-11 s METAL CHIP 100 0.50% 1/10W
 R574 1-216-655-11 s METAL CHIP 1.5K 0.50% 1/10W
 R610 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R611 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R613 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W

R626 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R628 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R633 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R650 1-216-675-11 s METAL CHIP 10K 0.50% 1/10W
 R651 1-216-683-11 s METAL CHIP 22K 0.50% 1/10W

R660 1-216-682-11 s METAL CHIP 20K 0.50% 1/10W
 R661 1-216-682-11 s METAL CHIP 20K 0.50% 1/10W
 R662 1-216-675-11 s METAL CHIP 10K 0.50% 1/10W
 R663 1-216-675-11 s METAL CHIP 10K 0.50% 1/10W
 R665 1-216-675-11 s METAL CHIP 10K 0.50% 1/10W

R685 1-216-675-11 s METAL CHIP 10K 0.50% 1/10W
 R696 1-216-671-11 s METAL CHIP 6.8K 0.50% 1/10W
 R714 1-216-678-11 s METAL CHIP 13K 0.50% 1/10W
 R715 1-216-698-11 s METAL CHIP 91K 0.50% 1/10W
 R722 1-216-659-11 s METAL CHIP 2.2K 0.50% 1/10W

RV201 1-230-520-11 s VAR. METAL GLAZE 1K
 RV202 1-230-526-11 s VAR. METAL GLAZE 47K
 RV203 1-230-519-11 s VAR. METAL GLAZE 470
 RV301 1-230-521-11 s VAR. METAL GLAZE 2.2K
 RV302 1-230-521-11 s VAR. METAL GLAZE 2.2K

RV303 1-230-521-11 s VAR. METAL GLAZE 2.2K
 RV351 1-230-520-11 s VAR. METAL GLAZE 1K
 RV401 1-230-522-11 s VAR. METAL GLAZE 4.7K
 RV501 1-230-519-11 s VAR. METAL GLAZE 470
 RV502 1-230-522-11 s VAR. METAL GLAZE 4.7K

RV503 1-230-521-11 s VAR. METAL GLAZE 2.2K
 RV504 1-230-520-11 s VAR. METAL GLAZE 1K
 RV505 1-230-519-11 s VAR. METAL GLAZE 470
 RV506 1-230-520-11 s VAR. METAL GLAZE 1K
 RV507 1-230-520-11 s VAR. METAL GLAZE 1K

Ref. No. Parts No. SP Description

RV508 1-230-521-11 s VAR. METAL GLAZE 2.2K
 RV509 1-230-523-11 s VAR. METAL GLAZE 10K
 RV510 1-230-524-11 s VAR. METAL GLAZE 22K
 RV511 1-230-524-11 s VAR. METAL GLAZE 22K
 RV602 1-230-524-11 s VAR. METAL GLAZE 22K

RV604 1-230-521-11 s VAR. METAL GLAZE 2.2K
 RV605 1-230-520-11 s VAR. METAL GLAZE 1K
 RV606 1-230-524-11 s VAR. METAL GLAZE 22K
 RV607 1-230-524-11 s VAR. METAL GLAZE 22K
 RV608 1-230-523-11 s VAR. METAL GLAZE 10K

RV609 1-230-523-11 s VAR. METAL GLAZE 10K
 RV610 1-228-458-00 s VAR. CERMET 5K

S201 1-570-373-12 s SLIDE

TH351 1-800-200-00 s S-3K
 TH352 1-800-198-11 s S-1K
 TH501 1-800-200-00 s S-3K

XI 1-577-183-11 s OSCILLATOR, CRYSTAL 14.734475MHz

DL-13 BOARD

All of the component parts on the DL-13 Board are supplied together when you order the MDM-3P Board.

1-622-859-13 o PRINTED CIRCUIT BOARD, DL-13

CN1 1-564-549-11 o PIN. BOARD TO BOARD 10P

FB1 1-543-309-12 s BEAD, FERRITE
 FB2 1-543-309-12 s BEAD, FERRITE

IC1 8-752-320-37 s CXL5001M (SONY)

L1 1-408-784-11 s CHIP 39

Q1 8-729-201-27 s 2SC2715-Y
 Q2 8-729-216-21 s 2SA1162-Y
 Q3 8-729-216-21 s 2SA1162-Y

RV610 1-228-475-00 s VAR. CERMET 20K

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

DL-14 BOARD

All of the component parts on the DL-14 Board are supplied together when you order the CEC-3P Board.

1-622-872-12 o PRINTED CIRCUIT BOARD, DL-14

C1 1-162-638-11 s CERAMIC CHIP 1 16V
C4 1-135-076-21 s TANTAL. CHIP 1 10% 35V
C5 1-135-076-21 s TANTAL. CHIP 1 10% 35V

CN1 1-566-092-11 o PIN. BOARD TO BOARD 7P

FB1 1-543-309-12 s BEAD, FERRITE

IC1 8-752-329-48 s CXL5001M-2 (SONY)

Q1 8-729-109-44 s 2SK94
Q2 8-729-109-44 s 2SK94
Q3 8-729-109-44 s 2SK94
Q5 8-729-201-27 s 2SC2715-Y

RV1 1-228-475-00 s VAR. CERMET 20K

DL-15 BOARD

All of the component parts on the DL-15 Board are supplied together when you order the CEC-3P Board.

1-622-873-12 o PRINTED CIRCUIT BOARD, DL-15

C1 1-162-638-11 s CERAMIC CHIP 1 16V
C5 1-135-076-21 s TANTAL. CHIP 1 10% 35V
C6 1-135-076-21 s TANTAL. CHIP 1 10% 35V
C7 1-135-076-21 s TANTAL. CHIP 1 10% 35V
C11 1-135-083-00 s TANTAL. CHIP 0.47 20% 25V

C21 1-135-083-00 s TANTAL. CHIP 0.47 20% 25V

CN1 1-564-549-11 o PIN. BOARD TO BOARD 10P

FB1 1-543-309-12 s BEAD, FERRITE

IC11 8-752-329-49 s CXL5002M-2 (SONY)
IC12 8-752-329-48 s CXL5001M-2 (SONY)

Q13 8-729-201-27 s 2SC2715-Y
Q23 8-729-201-27 s 2SC2715-Y

Ref No. Parts No. SP Description

R15 1-216-294-00 s METAL CHIP 10M 5% 1/8W
R25 1-216-294-00 s METAL CHIP 10M 5% 1/8W

RV11 1-228-473-00 s VAR. CERMET 5k
RV12 1-228-472-00 s VAR. CERMET 2k
RV21 1-228-473-00 s VAR. CERMET 5k
RV22 1-228-472-00 s VAR. CERMET 2k

DL-17 BOARD

All of the component parts on the DL-17 Board are supplied together when you order the CEC-3P Board.

1-622-874-12 o PRINTED CIRCUIT BOARD, DL-17

C1 1-162-638-11 s CERAMIC CHIP 1 16V
C5 1-135-076-21 s TANTAL. CHIP 1 10% 35V
C6 1-135-076-21 s TANTAL. CHIP 1 10% 35V
C7 1-135-076-21 s TANTAL. CHIP 1 10% 35V

CN1 1-564-549-11 o PIN. BOARD TO BOARD 10P

FB1 1-543-309-12 s BEAD, FERRITE

IC11 8-752-329-48 s CXL5001M-2 (SONY)
IC12 8-752-329-48 s CXL5001M-2 (SONY)

Q3 8-729-216-21 s 2SA1162-Y

RV11 1-228-473-00 s VAR. CERMET 5k
RV12 1-228-472-00 s VAR. CERMET 2k
RV21 1-228-473-00 s VAR. CERMET 5k
RV22 1-228-472-00 s VAR. CERMET 2k

DM-58A BOARD

All of the component parts on the DM-58A Board are supplied together when you order the MDM-3P Board.

1-622-860-11 o PRINTED CIRCUIT BOARD, DM-58A

CN1 1-564-549-11 o PIN. BOARD TO BOARD 10P

FB1 1-543-309-12 s BEAD, FERRITE

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

IC1 8-759-012-00 s MC10H116M (MOTOROLA)
IC2 8-759-011-96 s MC10H107M (MOTOROLA)

L1 1-408-766-21 s CHIP 1.2

R9 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
R10 1-216-638-11 s METAL CHIP 300 0.50% 1/10W

RV608 1-228-470-00 s VAR. CERMET 500

DO-19 BOARD

All of the component parts on the DO-19 Board are supplied together when you order the MDN-3P Board.

1-623-216-13 o PRINTED CIRCUIT BOARD, DO-19

CN1 1-564-549-11 o PIN, BOARD TO BOARD 10P

IC1 8-759-105-49 s uPC319G2 (NEC)
IC2 8-759-708-05 s NJM78L05A (JRC)

Q1 8-729-901-01 s DTC144EK

R2 1-216-653-11 s METAL CHIP 1.2k 0.50% 1/10W
R6 1-216-653-11 s METAL CHIP 1.2k 0.50% 1/10W

RV620 1-228-472-00 s VAR. CERMET 2k
RV621 1-228-477-00 s VAR. CERMET 100k
RV624 1-228-472-00 s VAR. CERMET 2k

DS-23 BOARD

1-623-354-12 o PRINTED CIRCUIT BOARD, DS-23

1-564-012-00 o PIN, 2P

Ref No. Parts No. SP Description

DUS-277 BOARD

All of the component parts on the DUS-277 Board are supplied together when you order the MDN-3P Board.

1-628-116-11 o PRINTED CIRCUIT BOARD, DUS-277

L1 1-410-710-31 s CHIP 27uH

Q1 8-729-109-44 s 2SK94

R3 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
R4 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W

ED-18 BOARD

All of the component parts on the ED-18 Board are supplied together when you order the CEC-3P Board.

1-622-875-11 o PRINTED CIRCUIT BOARD, ED-18

C1 1-162-638-11 s CERAMIC CHIP 1 16V
C2 1-162-638-11 s CERAMIC CHIP 1 16V

CN1 1-564-548-11 o PIN, BOARD TO BOARD 5P

L1 1-408-790-00 s CHIP 120
L2 1-408-793-21 s CHIP 220

Q1 8-729-201-27 s 2SC2715-Y
Q2 8-729-201-27 s 2SC2715-Y
Q3 8-729-201-27 s 2SC2715-Y
Q4 8-729-201-27 s 2SC2715-Y
Q5 8-729-201-27 s 2SC2715-Y

R3 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
R12 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W

ENC-11P BOARD

4-6727-141-A o MOUNTED CIRCUIT BOARD, ENC-11P
7-685-104-19 s SCREW +P 2X6 TYPE2 NON-SLIT

C1 1-124-589-11 s ELECT 47 20% 16V
C3 1-126-154-11 s ELECT 47 20% 6.3V
C5 1-126-154-11 s ELECT 47 20% 6.3V
C7 1-126-154-11 s ELECT 47 20% 6.3V
C9 1-126-154-11 s ELECT 47 20% 6.3V

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

C10 1-126-154-11 s ELECT 47 20% 6.3V
 C12 1-126-154-11 s ELECT 47 20% 6.3V
 C51 1-124-471-00 s ELECT 1000 20% 6.3V
 C53 1-126-154-11 s ELECT 47 20% 6.3V
 C55 1-126-154-11 s ELECT 47 20% 6.3V
 C57 1-126-154-11 s ELECT 47 20% 6.3V
 C59 1-124-472-11 s ELECT 470 20% 10V
 C61 1-124-472-11 s ELECT 470 20% 10V
 C63 1-126-157-11 s ELECT 10 20% 16V
 C65 1-124-589-11 s ELECT 47 20% 16V

C67 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 10) C76 1-163-086-00 s CERAMIC CHIP 3PF±0.25PF 50V
 C82 1-135-166-21 s TANTALUM CHIP 47 10% 10V
 C84 1-135-159-21 s TANTALUM CHIP 10 10% 20V
 C85 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V

C86 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C112 1-162-638-11 s CERAMIC CHIP 1 16V
 C115 1-135-159-21 s TANTALUM CHIP 10 10% 20V
 C116 1-135-155-21 s TANTAL CHIP 4.7 10% 16V
 C117 1-135-159-21 s TANTALUM CHIP 10 10% 20V

C122 1-124-443-00 s ELECT 100 20% 10V
 C123 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C125 1-124-443-00 s ELECT 100 20% 10V
 C126 1-135-166-21 s TANTALUM CHIP 47 10% 10V
 C136 1-135-166-21 s TANTALUM CHIP 47 10% 10V

C201 1-126-154-11 s ELECT 47 20% 6.3V
 C203 1-126-154-11 s ELECT 47 20% 6.3V
 C212 1-162-638-11 s CERAMIC CHIP 1 16V
 C213 1-135-166-21 s TANTALUM CHIP 47 10% 10V
 C214 1-135-166-21 s TANTALUM CHIP 47 10% 10V

C242 1-162-638-11 s CERAMIC CHIP 1 16V
 C243 1-135-166-21 s TANTALUM CHIP 47 10% 10V
 C244 1-135-166-21 s TANTALUM CHIP 47 10% 10V
 C281 1-124-589-11 s ELECT 47 20% 16V
 C283 1-126-154-11 s ELECT 47 20% 6.3V

C291 1-135-159-21 s TANTALUM CHIP 10 10% 20V
 C301 1-126-154-11 s ELECT 47 20% 6.3V
 C303 1-126-154-11 s ELECT 47 20% 6.3V
 C308 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C311 1-126-154-11 s ELECT 47 20% 6.3V

C313 1-126-154-11 s ELECT 47 20% 6.3V
 C321 1-126-154-11 s ELECT 47 20% 6.3V
 C323 1-126-154-11 s ELECT 47 20% 6.3V
 C331 1-126-154-11 s ELECT 47 20% 6.3V
 C401 1-126-154-11 s ELECT 47 20% 6.3V

C403 1-126-154-11 s ELECT 47 20% 6.3V
 C405 1-126-154-11 s ELECT 47 20% 6.3V
 C407 1-126-154-11 s ELECT 47 20% 6.3V
 C412 1-135-166-21 s TANTALUM CHIP 47 10% 10V
 C501 1-124-589-11 s ELECT 47 20% 16V

C503 1-135-164-21 s TANTALUM CHIP 22 20% 10V
 C504 1-126-177-11 s ELECT 100 20% 10V
 C506 1-126-177-11 s ELECT 100 20% 10V
 C508 1-124-638-11 s ELECT 22 20% 10V
 C509 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V

C510 1-135-159-21 s TANTALUM CHIP 10 10% 20V
 C511 1-162-637-11 s CERAMIC CHIP 0.47 16V
 C517 1-135-159-21 s TANTALUM CHIP 10 10% 20V
 C518 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C520 1-135-159-21 s TANTALUM CHIP 10 10% 20V

C522 1-135-159-21 s TANTALUM CHIP 10 10% 20V
 C523 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C524 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

Ref No. Parts No. SP Description

C525 1-135-159-21 s TANTALUM CHIP 10 10% 20V
 C526 1-135-159-21 s TANTALUM CHIP 10 10% 20V
 C531 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C538 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C544 1-135-161-21 s TANTALUM CHIP 22 10% 10V

C549 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C551 1-135-159-21 s TANTALUM CHIP 10 10% 20V
 C552 1-135-159-21 s TANTALUM CHIP 10 10% 20V
 C556 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C557 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V

C558 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C563 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C564 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C565 1-135-159-21 s TANTALUM CHIP 10 10% 20V
 C601 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V

C613 1-164-232-11 s CERAMIC CHIP 0.01 10% 50V
 C624 1-135-159-21 s TANTALUM CHIP 10 10% 20V
 C627 1-163-119-00 s CERAMIC CHIP 120PF 5% 50V

CN1 1-566-566-11 o TX (P.L) PC BOARD 40P

CV351 1-141-245-00 s CAP, TRIMMER 30PF

D1 8-719-106-16 s RD6.8M-B1
 D53 8-719-106-16 s RD6.8M-B1
 D54 8-719-106-16 s RD6.8M-B1
 D55 8-719-800-76 s 1SS226
 D301 8-719-800-76 s 1SS226

D331 8-719-104-31 s 1S2838
 D501 8-719-100-03 s 1S2835
 D502 8-719-100-03 s 1S2835
 D503 8-719-800-76 s 1SS226
 D504 8-719-800-76 s 1SS226

D505 8-719-800-76 s 1SS226
 D506 8-719-800-76 s 1SS226
 D507 8-719-800-76 s 1SS226
 D508 8-719-945-91 s 1T33
 D509 8-719-800-76 s 1SS226

D510 8-719-800-76 s 1SS226
 D511 8-719-800-76 s 1SS226
 D512 8-719-800-76 s 1SS226
 D513 8-719-104-31 s 1S2838
 D514 8-719-104-31 s 1S2838

D515 8-719-104-31 s 1S2838
 DL51 1-415-168-00 s 200ns
 DL52 1-415-404-21 s 226ns

FL51 1-236-179-11 s LOW PASS 4MHz
 FL201 1-235-181-00 s BAND PASS 4.43MHz

IC1 8-759-937-61 s S-81230AG (SEIKO I AND E)
 IC2 8-759-941-79 s S-80230AG (SEIKO I AND E)
 IC51 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC52 8-752-030-80 s CXA1039M (SONY)
 IC53 8-752-015-81 s CX20158 (SONY)

IC54 8-759-012-00 s MC10H116M (MOTOROLA)
 IC55 8-752-201-30 s CX22013 (SONY)
 IC201 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC202 8-759-908-17 s TL082CPS (TI)
 IC203 8-759-208-11 s TC4053BFHB (TOSHIBA)

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref. No. Parts No. SP Description

IC281 8-759-906-59 s CX22017 (SONY)
 IC301 8-759-204-96 s TC74HC04F (TOSHIBA)
 IC302 8-759-208-07 s TC4051BFHB (TOSHIBA)
 IC303 8-759-204-94 s TC74HC00F (TOSHIBA)
 IC304 8-759-925-81 s SN74HC20NS (TI)

IC401 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC402 8-759-908-17 s TL082CPS (TI)
 IC403 1-808-743-11 s BX6389 (SONY)
 IC404 1-808-743-11 s BX6389 (SONY)
 IC405 8-759-982-21 s RC78L05A (RAYTHEON)

IC406 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC407 1-808-743-11 s BX6389 (SONY)
 IC408 1-808-743-11 s BX6389 (SONY)
 IC409 1-808-743-11 s BX6389 (SONY)
 IC501 8-759-201-47 s TA7357AP (TOSHIBA)

IC502 1-464-605-11 s CIRCUIT UNIT, ED
 IC503 8-759-205-21 s TC74HC221F (TOSHIBA)
 IC504 8-759-908-92 s TL084CNS (TI)
 IC505 8-759-700-07 s NJM2903M (JRC)
 IC506 8-759-925-81 s SN74HC20NS (TI)

IC507 8-759-206-55 s TC74HC4538F (TOSHIBA)
 IC508 8-759-204-94 s TC74HC00F (TOSHIBA)
 IC509 8-759-925-90 s SN74HC74NS (TI)
 IC510 8-759-907-81 s SN74LS221NS (TI)
 IC511 8-759-907-81 s SN74LS221NS (TI)

IC512 8-759-908-92 s TL084CNS (TI)
 IC513 8-759-700-07 s NJM2903M (JRC)
 IC514 8-759-206-55 s TC74HC4538F (TOSHIBA)
 IC515 8-759-204-94 s TC74HC00F (TOSHIBA)
 IC516 8-759-207-74 s TC4030BFHB (TOSHIBA)

IC517 8-759-204-94 s TC74HC00F (TOSHIBA)
 IC518 8-759-920-14 s S-8053ALR (SEIKO I AND E)
 IC519 8-759-982-21 s RC78L05A (RAYTHEON)
 IC520 8-752-037-75 s CX-7993A (SONY)
 IC521 8-759-204-72 s TC40H164F (TOSHIBA)

IC522 8-759-204-94 s TC74HC00F (TOSHIBA)
 IC523 8-759-205-21 s TC74HC221F (TOSHIBA)
 IC524 8-759-204-94 s TC74HC00F (TOSHIBA)

L51 1-408-785-21 s CHIP 47
 L52 1-408-785-21 s CHIP 47
 L53 1-408-785-21 s CHIP 47
 L54 1-408-785-21 s CHIP 47
 L55 1-408-785-21 s CHIP 47

L56 1-408-785-21 s CHIP 47
 L57 1-408-785-21 s CHIP 47
 L58 1-408-785-21 s CHIP 47
 L63 1-408-797-11 s CHIP 470
 L64 1-408-783-00 s CHIP 33

L65 1-408-777-00 s CHIP 10
 L66 1-408-787-00 s CHIP 68
 L68 1-408-773-31 s CHIP 4.7
 L201 1-408-785-21 s CHIP 47
 L202 1-408-785-21 s CHIP 47
 L281 1-408-785-21 s CHIP 47

L282 1-408-785-21 s CHIP 47
 L301 1-408-785-21 s CHIP 47
 L302 1-408-785-21 s CHIP 47
 L311 1-408-785-21 s CHIP 47
 L312 1-408-785-21 s CHIP 47

L313 1-408-785-21 s CHIP 47
 L321 1-408-785-21 s CHIP 47
 L322 1-408-785-21 s CHIP 47
 L331 1-408-785-21 s CHIP 47
 L401 1-408-785-21 s CHIP 47

Ref. No. Parts No. SP Description

L402 1-408-785-21 s CHIP 47
 L403 1-408-785-21 s CHIP 47
 L501 1-408-785-21 s CHIP 47
 L502 1-408-785-21 s CHIP 47
 L503 1-408-785-21 s CHIP 47

L504 1-408-785-21 s CHIP 47

LV321 1-407-926-00 s VAR 22
 LV322 1-407-926-00 s VAR 22
 LV551 1-407-929-00 s VAR 4.7

Q1 8-729-901-01 s DTC144EK
 Q2 8-729-205-95 s 2S8822
 Q4 8-729-905-53 s 2SD1055-R
 Q51 8-729-216-22 s 2SA1162
 Q52 8-729-216-22 s 2SA1162

Q53 8-729-901-01 s DTC144EK
 Q54 8-729-202-38 s 2SC3326N
 Q55 8-729-903-10 s FMW1
 Q56 8-729-907-26 s IMX1
 Q57 8-729-216-22 s 2SA1162

Q58 8-729-907-26 s IMX1
 Q59 8-729-903-82 s FMW2
 Q60 8-729-907-26 s IMX1
 Q61 8-729-201-27 s 2SC2715-Y

Q71 8-729-201-27 s 2SC2715-Y
 Q72 8-729-903-82 s FMW2
 Q73 8-729-907-26 s IMX1
 Q74 8-729-220-93 s 2SK209-G
 Q75 8-729-901-01 s DTC144EK

Q76 8-729-201-27 s 2SC2715-Y
 Q77 8-729-903-10 s FMW1
 Q78 8-729-907-26 s IMX1
 Q79 8-729-903-10 s FMW1
 Q80 8-729-216-22 s 2SA1162

Q81 8-729-201-27 s 2SC2715-Y
 Q82 8-729-201-27 s 2SC2715-Y
 Q83 8-729-201-27 s 2SC2715-Y
 Q84 8-729-201-27 s 2SC2715-Y
 Q85 8-729-201-27 s 2SC2715-Y

Q86 8-729-907-26 s IMX1
 Q87 8-729-201-27 s 2SC2715-Y
 Q88 8-729-907-46 s IMZ1
 Q89 8-729-216-22 s 2SA1162
 Q90 8-729-216-22 s 2SA1162

Q91 8-729-201-27 s 2SC2715-Y
 Q92 8-729-216-22 s 2SA1162
 Q201 8-729-903-10 s FMW1
 Q202 8-729-907-26 s IMX1
 Q203 8-729-220-93 s 2SK209-G

Q204 8-729-904-41 s FMV3
 Q205 8-729-904-41 s FMV3
 Q206 8-729-903-10 s FMW1
 Q207 8-729-907-26 s IMX1
 Q208 8-729-220-93 s 2SK209-G

Q209 8-729-904-41 s FMV3
 Q210 8-729-904-41 s FMV3
 Q281 8-729-201-27 s 2SC2715-Y
 Q301 8-729-907-26 s IMX1

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref. No. Parts No. SP Description

Q302 8-729-201-27 s 2SC2715-Y
 Q311 8-729-907-46 s 1M21
 Q321 8-729-907-46 s 1M21
 Q332 8-729-901-01 s DTC144EK
 Q501 8-729-220-93 s 2SK209-G

Q502 8-729-901-01 s DTC144EK
 Q503 8-729-122-63 s 2SA1226
 Q504 8-729-901-01 s DTC144EK
 Q511 8-729-122-63 s 2SA1226
 Q512 8-729-200-86 s 2SC27140

Q513 8-729-220-93 s 2SK209-G
 Q514 8-729-201-27 s 2SC2715-Y
 Q515 8-729-201-27 s 2SC2715-Y
 Q516 8-729-901-01 s DTC144EK
 Q517 8-729-201-27 s 2SC2715-Y

Q521 8-729-901-01 s DTC144EK
 Q522 8-729-901-01 s DTC144EK

R54 1-216-635-11 s METAL CHIP 220 0.50% 1/10W
 R55 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R56 1-216-673-11 s METAL CHIP 8.2K 0.50% 1/10W
 R58 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R65 1-216-657-11 s METAL CHIP 1.8K 0.50% 1/10W

R66 1-216-659-11 s METAL CHIP 2.2K 0.50% 1/10W
 R70 1-216-699-11 s METAL CHIP 100K 0.50% 1/10W
 R72 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
 R73 1-216-661-11 s METAL CHIP 2.7K 0.50% 1/10W
 R74 1-216-657-11 s METAL CHIP 1.8K 0.50% 1/10W

R75 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R84 1-216-637-11 s METAL CHIP 270 0.50% 1/10W
 R122 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R137 1-216-624-11 s METAL CHIP 75 0.50% 1/10W
 R138 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W

R154 1-216-667-11 s METAL CHIP 4.7K 0.50% 1/10W
 R157 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R158 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R161 1-216-640-11 s METAL CHIP 360 0.50% 1/10W
 R162 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W

R163 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R165 1-216-627-11 s METAL CHIP 100 0.50% 1/10W
 R168 1-216-653-11 s METAL CHIP 1.2K 0.50% 1/10W
 R169 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R170 1-216-659-11 s METAL CHIP 2.2K 0.50% 1/10W

R172 1-216-649-11 s METAL CHIP 820 0.50% 1/10W
 R185 1-216-635-11 s METAL CHIP 220 0.50% 1/10W
 R186 1-216-635-11 s METAL CHIP 220 0.50% 1/10W
 R191 1-216-659-11 s METAL CHIP 2.2K 0.50% 1/10W
 R193 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W

R194 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R195 1-216-650-11 s METAL CHIP 910 0.50% 1/10W
 R203 1-216-659-11 s METAL CHIP 2.2K 0.50% 1/10W
 R205 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R220 1-216-659-11 s METAL CHIP 2.2K 0.50% 1/10W

R243 1-216-659-11 s METAL CHIP 2.2K 0.50% 1/10W
 R245 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R253 1-216-661-11 s METAL CHIP 2.7K 0.50% 1/10W
 R283 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R284 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W

R323 1-216-655-11 s METAL CHIP 1.5K 0.50% 1/10W
 R325 1-216-655-11 s METAL CHIP 1.5K 0.50% 1/10W
 R406 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W

Ref. No. Part No. SP Description

R407 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R408 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R409 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R410 1-216-624-11 s METAL CHIP 75 0.50% 1/10W
 R411 1-216-624-11 s METAL CHIP 75 0.50% 1/10W

R412 1-216-624-11 s METAL CHIP 75 0.50% 1/10W
 R413 1-216-624-11 s METAL CHIP 75 0.50% 1/10W
 R423 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
 R424 1-216-651-11 s METAL CHIP 1K 0.50% 1/10W
 R425 1-216-624-11 s METAL CHIP 75 0.50% 1/10W

R426 1-216-655-11 s METAL CHIP 1.5K 0.50% 1/10W
 R427 1-216-651-11 s METAL CHIP 1.5K 0.50% 1/10W
 R428 1-216-624-11 s METAL CHIP 75 0.5% 1/10W
 R430 1-216-655-11 s METAL CHIP 1.5K 0.50% 1/10W
 R431 1-216-651-11 s METAL CHIP 1K 0.5% 1/10W

R432 1-216-624-11 s METAL CHIP 75 0.5% 1/10W
 R516 1-216-671-11 s METAL CHIP 6.8K 0.5% 1/10W
 R517 1-216-675-11 s METAL CHIP 10K 0.5% 1/10W
 R518 1-216-663-11 s METAL CHIP 3.3K 0.5% 1/10W
 R542 1-216-643-11 s METAL CHIP 470 0.5% 1/10W

R543 1-216-667-11 s METAL CHIP 4.7K 0.5% 1/10W
 R544 1-216-655-11 s METAL CHIP 1.5K 0.5% 1/10W
 R545 1-216-663-11 s METAL CHIP 3.3K 0.5% 1/10W
 R551 1-216-655-11 s METAL CHIP 1.5K 0.5% 1/10W
 R555 1-216-675-11 s METAL CHIP 10K 0.5% 1/10W

R557 1-216-667-11 s METAL CHIP 4.7K 0.5% 1/10W
 R558 1-216-675-11 s METAL CHIP 10K 0.5% 1/10W
 R559 1-216-675-11 s METAL CHIP 10K 0.5% 1/10W
 R587 1-216-683-11 s METAL CHIP 22K 0.5% 1/10W
 R601 1-216-659-11 s METAL CHIP 2.2K 0.5% 1/10W

R609 1-216-675-11 s METAL CHIP 10K 0.5% 1/10W
 R613 1-216-699-11 s METAL CHIP 100K 0.5% 1/10W
 R631 1-216-667-11 s METAL CHIP 4.7K 0.5% 1/10W
 R634 1-216-677-11 s METAL CHIP 12K 0.5% 1/10W
 R635 1-216-671-11 s METAL CHIP 6.8K 0.5% 1/10W

R641 1-216-683-11 s METAL CHIP 22K 0.5% 1/10W

RV100 1-228-455-00 s VAR, CERMET 500
 RV101 1-228-455-00 s VAR, CERMET 500
 RV102 1-230-526-11 s VAR, METAL GLAZE 47K
 RV103 1-230-522-11 s VAR, METAL GLAZE 4.7K
 RV104 1-228-457-00 s VAR, CERMET 2K

RV130 1-228-465-00 s VAR, CERMET 1M
 RV131 1-228-458-00 s VAR, CERMET 5K
 RV132 1-228-457-00 s VAR, CERMET 2K
 RV133 1-228-457-00 s VAR, CERMET 2K
 RV134 1-228-455-00 s VAR, CERMET 500

RV135 1-228-455-00 s VAR, CERMET 500
 RV136 1-228-454-00 s VAR, CERMET 200
 RV137 1-230-521-11 s VAR, METAL GLAZE 2.2K
 3)RV138 1-237-129-11 s VAR, METAL GLAZE 220
 4)RV138 1-230-519-11 s VAR, METAL GLAZE 470

RV139 1-228-456-00 s VAR, CERMET 1K
 RV201 1-228-460-00 s VAR, CERMET 20K
 RV202 1-228-460-00 s VAR, CERMET 20K
 RV203 1-228-457-00 s VAR, CERMET 2K
 RV241 1-228-460-00 s VAR, CERMET 20K

RV242 1-228-460-00 s VAR, CERMET 20K
 RV243 1-230-526-11 s VAR, METAL GLAZE 47K
 RV301 1-228-459-00 s VAR, CERMET 10K

Part s that are not li sted in the "reference number order li st"
 are shown in the "General Purpo se Electrical parts List."

ENC-11P, EQ-14, EQ-14A, EQ-23

Ref. No. Part No. SP Description

RV302 1-228-457-00 s VAR, CERMET 2K
RV401 1-230-528-11 s VAR, METAL GLAZE 220K
RV411 1-228-455-00 s VAR, CERMET 500
RV421 1-228-457-00 s VAR, CERMET 2K
RV431 1-228-457-00 s VAR, CERMET 2K

RV501 1-228-475-00 s VAR, CERMET 20K
RV502 1-228-459-00 s VAR, CERMET 10K
RV503 1-230-526-11 s VAR, METAL GLAZE 47K
RV504 1-228-459-00 s VAR, CERMET 10K

SI 1-570-374-12 s SLIDE

TH51 1-800-200-00 s S-3K

X351 1-567-860-11 s VIBRATOR, CRYSTAL 4.433618MHz
X601 1-567-863-11 s VIBRATOR, CRYSTAL 10.664135MHz

EQ-14 BOARD

All of the component parts on the EQ-14 Board are supplied together when you order the MDM-3P Board.

1-622-861-13 o PRINTED CIRCUIT BOARD, EQ-14

CN1 1-564-549-11 o PIN, BOARD TO BOARD 10P

DL1 1-415-546-11 s DELAY LINE 50ns

Q1 8-729-200-86 s 2SC2714-Y
Q2 8-729-122-63 s 2SA1226
Q3 8-729-201-27 s 2SC2715-Y
Q4 8-729-400-76 s 2SD1030
Q5 8-729-400-76 s 2SD1030

Q6 8-729-200-86 s 2SC2714-o
Q7 8-729-200-86 s 2SC2714-o
Q8 8-729-200-86 s 2SC2714-o

R5 1-216-635-11 s METAL CHIP 220 0.50% 1/10W

RV605 1-228-471-00 s VAR, CERMET 1k
RV606 1-228-471-00 s VAR, CERMET 1k
RV607 1-228-474-00 s VAR, CERMET 10k

Ref. No. Part No. SP Description

EQ-14A BOARD

All of the component parts on the EQ-14A Board are supplied together when you order the MDM-3P Board.

1-622-861-23 o PRINTED CIRCUIT BOARD, EQ-14A

CN1 1-564-549-11 o PIN, BOARD TO BOARD 10P

DL1 1-415-547-11 s DELAY LINE 50ns

Q1 8-729-200-86 s 2SC2714-o
Q2 8-729-122-63 s 2SA1226
Q3 8-729-201-27 s 2SC2715-Y
Q4 8-729-400-76 s 2SD1030
Q5 8-729-400-76 s 2SD1030

Q6 8-729-200-86 s 2SC2714-o
Q7 8-729-200-86 s 2SC2714-o
Q8 8-729-200-86 s 2SC2714-o

R5 1-216-635-11 s METAL CHIP 220 0.50% 1/10W

RV605 1-228-471-00 s VAR, CERMET 1k
RV606 1-228-471-00 s VAR, CERMET 1k
RV607 1-228-474-00 s VAR, CERMET 10k

EQ-23 BOARD

All of the component parts on the EQ-23 Board are supplied together when you order the CEC-3P Board.

1-625-384-11 o PRINTED CIRCUIT BOARD, EQ-23

C1 1-135-125-21 s TANTAL. CHIP 33 20% 10V
C2 1-163-033-00 s CERAMCHIP 0.022 10% 25V
C3 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
C4 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V

CN1 1-564-548-11 o PIN, BOARD TO BOARD 5P

L1 1-408-785-21 s CHIP 47
L2 1-408-781-00 s CHIP 22
L3 1-408-780-21 s CHIP 18
L4 1-408-785-21 s CHIP 47

Q1 8-729-201-27 s 2SC2715-Y
Q2 8-729-201-27 s 2SC2715-Y
Q3 8-729-216-21 s 2SA1162-Y

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

RV1 1-228-472-00 s VAR. CERMET 2k

EX-150 BOARD

A-6725-574-A s MOUNTED CIRCUIT BOARD, EX-150

3-701-623-00 s BAG, POLYETHYLENE

CN1 1-566-566-11 o TX(P.L)(PC BOARD)40P

CN2 1-566-564-11 o TX(S.L)(PC BOARD)40P

FL-66 BOARD

All of the component parts on the FL-66 Board are supplied together when you order the MDM-3P Board.

1-626-351-13 o PRINTED CIRCUIT BOARD, FL-66

C19 1-163-103-00 s CERAMIC CHIP 27PF 5% 50V

L1 1-408-778-21 s CHIP 12
 L2 1-408-773-31 s CHIP 4.7
 L3 1-408-777-00 s CHIP 10
 L4 1-408-776-00 s CHIP 8.2
 L5 1-408-785-21 s CHIP 47

L6 1-408-780-21 s CHIP 18
 L7 1-408-781-00 s CHIP 22
 L8 1-408-776-00 s CHIP 8.2
 L9 1-408-787-00 s CHIP 68

Q1 8-729-201-27 s 2SC2715-Y
 Q2 8-729-200-86 s 2SC2714-o
 Q3 8-729-200-86 s 2SC2714-o
 Q4 8-729-200-86 s 2SC2714-o
 Q5 8-729-122-63 s 2SA1226

R4 1-216-653-11 s METAL CHIP 1.2k 0.50% 1/10W
 R5 1-216-660-11 s METAL CHIP 2.4k 0.50% 1/10W
 R6 1-216-649-11 s METAL CHIP 820 0.50% 1/10W
 R7 1-216-645-11 s METAL CHIP 560 0.50% 1/10W
 R12 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

R13 1-216-649-11 s METAL CHIP 820 0.50% 1/10W
 R15 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R16 1-216-642-11 s METAL CHIP 430 0.50% 1/10W
 R20 1-216-634-11 s METAL CHIP 200 0.50% 1/10W

R21 1-216-644-11 s METAL CHIP 510 0.50% 1/10W
 R22 1-216-656-11 s METAL CHIP 1.6k 0.50% 1/10W

Ref No. Parts No. SP Description

RV619 1-237-034-11 s VAR. CERMET 2k

RV620 1-237-033-11 s VAR. CERMET 1k

HP-36 BOARD

1-622-908-12 o PRINTED CIRCUIT BOARD, HP-36

C1 1-124-225-00 s ELECT 100 20% 6.3V

C2 1-124-261-00 s ELECT 10 20% 50V

CD1 1-464-758-11 s CONVERTER, DC-DC (CD-54)

Q1 8-729-400-76 s 2SD1030

Q2 8-729-400-76 s 2SD1030

Q3 8-729-400-76 s 2SD1030

Q4 8-729-400-76 s 2SD1030

RV1 1-237-129-11 s VAR. METAL GLAZE 220

KY-110P BOARD

A-6717-540-B o MOUNTED CIRCUIT BOARD, KY-110P

C7 1-162-637-11 s CERAMIC CHIP 0.47 16V
 C16 1-124-254-00 s ELECT 0.68 20% 50V
 C18 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C21 1-163-088-00 s CERAMIC CHIP 5PF ± 0.25 PF 50V
 C29 1-163-115-00 s CERAMIC CHIP 82PF 5% 50V

CN2 1-562-686-11 o F.P.C (26P)

CV1 1-141-326-11 s TRIMMER 35PF

CV2 1-141-326-11 s TRIMMER 35PF

D1 8-719-902-27 s EBR3402S
 D2 8-719-928-51 s PR5551K
 D3 8-719-928-51 s PR5551K
 D4 8-719-955-05 s BR5505S
 D5 8-719-928-51 s PR5551K

D6 8-719-928-51 s PR5551K
 D7 8-719-928-51 s PR5551K
 D8 8-719-902-27 s EBR3402S
 D9 8-719-902-27 s EBR3402S
 D10 8-719-109-51 s RD2.OES-B2

D11 8-719-101-23 s ISS123
 D19 8-719-100-05 s 1S2837

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

D23 8-719-100-05 s ISS2837
D25 8-719-101-97 s ISS97-1

IC1 8-759-938-68 s CXD1095Q (SONY)
IC2 8-759-400-06 s AN608P (MATSUSHITA)
IC3 8-759-912-64 s PA0009 (PIONEER)
IC4 8-759-340-46 s HD140468P (HITACHI)
IC5 8-759-208-05 s TC4520BPHB (TOSHIBA)

IC6 8-759-941-78 s S-8053ALB (SEIKO I AND E)
IC7 8-759-146-73 s CXD8042Q-502 (SONY)
IC8 8-759-944-79 s CXD1132Q (SONY)
IC9 8-759-942-44 s CXD1128Q (SONY)
IC10 8-759-209-15 s TC45UG9F (TOSHIBA)

IC11 1-808-016-11 s LED MODULE
IC12 8-759-209-90 s TC4571F (TOSHIBA)
IC13 8-759-209-15 s TC45UG9F (TOSHIBA)
IC14 8-759-209-15 s TC45UG9F (TOSHIBA)
IC15 8-759-209-97 s TC45B1F (TOSHIBA)

IC16 8-759-209-90 s TC4571F (TOSHIBA)
IC17 8-759-209-15 s TC45UG9F (TOSHIBA)
IC18 8-759-209-90 s TC4571F (TOSHIBA)
IC19 8-759-209-15 s TC45UG9F (TOSHIBA)
IC20 8-759-209-69 s TC4511F (TOSHIBA)

IC21 8-759-209-90 s TC4571F (TOSHIBA)
IC22 8-759-209-15 s TC45UG9F (TOSHIBA)
IC23 8-759-209-15 s TC45UG9F (TOSHIBA)

L50 1-408-765-21 s CHIP 1

LCD1 1-807-981-11 s DISPLAY PANEL, LIQUID CRYSTAL

Q1 8-729-116-42 s 2SD1164
Q4 8-729-216-21 s 2SA1162-Y
Q5 8-729-216-22 s 2SA1162
Q7 8-829-202-38 s 2SC3328N
Q10 8-729-216-21 s 2SA1162-Y

R72 1-216-294-00 s METAL CHIP 10M 5% 1/8W
R86 1-216-294-00 s METAL CHIP 10M 5% 1/8W
R116 1-216-294-00 s METAL CHIP 10M 5% 1/8W

S1 1-554-371-51 s TACT "PAUSE"
S2 1-554-371-51 s TACT "SEARCH"
S3 1-554-371-51 s TACT "AUDIO DUB"
S4 1-554-371-51 s TACT "STOP"
S5 1-554-371-51 s TACT "EJECT"

S6 1-554-371-51 s TACT "REW"
S7 1-554-371-51 s TACT "FF"
S8 1-554-371-51 s TACT "REC"
S9 1-554-371-51 s TACT "PLAY"
S10 1-554-377-21 s SLIDE "KEY INHIBIT"

S11 1-570-850-11 s SLIDE "LIGHT ON/OFF"
S12 1-553-977-00 s SLIDE "VTC REC ON/OFF"
S13 1-570-850-11 s SLIDE "CTL/TC/UBIT"
S14 1-554-371-51 s TACT "RESET"
S16 1-553-977-00 s SLIDE "SLAVE UBIT ON/OFF"

Ref No. Parts No. SP Description

S17 1-553-977-00 s SLIDE "LTC UBIT/VITC UBIT"
S18 1-570-724-11 s SLIDE "REAL TIME ON/OFF/SET"
S19 1-554-371-51 s TACT "SET SHIFT"
S20 1-554-371-51 s TACT "SET ADVANCE"
S21 1-570-724-11 s SLIDE "F-RUN/SET/R-RUN"

S22 1-553-977-00 s SLIDE "LTC/VITC"
S23 1-571-273-11 s ROTARY
S24 1-571-273-11 s ROTARY

X1 1-567-812-11 s VIBRATOR, CERAMIC 12.288MHz
X2 1-567-867-11 s VIBRATOR, CRYSTAL 14.5MHz
X3 1-527-956-00 s CRYSTAL 31.4685KHz

LM-15 BOARD

All of the component parts on the LM-15 Board are supplied together when you order the CEC-3P Board.

1-622-876-13 o PRINTED CIRCUIT BOARD, LM-15

C4 1-162-638-11 s CERAMIC CHIP 1 16V
C5 1-162-638-11 s CERAMIC CHIP 1 16V

CN1 1-564-548-11 o PIN, BOARD TO BOARD 5P

D1 8-719-101-23 s ISS123

IC1 8-759-908-92 s TL084CNS (TI)

Q1 8-729-271-22 s 2SC2712-G
Q2 8-729-271-22 s 2SC2712-G
Q3 8-729-216-21 s 2SA1162-Y
Q4 8-729-216-21 s 2SA1162-Y

R10 1-216-681-11 s METAL CHIP 18k 0.50% 1/10W

RV1 1-228-474-00 s VAR, CERMET 10K
RV2 1-228-474-00 s VAR, CERMET 10K

LM-16 BOARD

All of the component parts on the LM-16 Board are supplied together when you order the CEC-3P Board.

1-622-877-11 o PRINTED CIRCUIT BOARD, LM-16

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

CN1 1-564-548-11 o PIN. BOARD TO BOARD 5P

Q1 8-729-201-27 s 2SC2715-Y
 Q2 8-729-200-86 s 2SC2714-0
 Q3 8-729-122-63 s 2SA1226
 Q4 8-729-122-63 s 2SA1226
 Q5 8-729-200-86 s 2SC2714-Y

Q6 8-729-201-27 s 2SC2715-Y

R1 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
 R6 1-216-660-11 s METAL CHIP 2.4k 0.50% 1/10W

RV1 1-228-470-00 s VAR. CERMET 500

MA-28 BOARD

A-6713-294-A o MOUNTED CIRCUIT BOARD, MA-28

C4 1-124-556-11 s ELECT 2200 20% 16V
 C14 1-124-122-11 s ELECT 100 20% 50V

CN1 1-564-002-00 o PIN. 3P
 CN2 1-564-002-00 o PIN. 3P
 CN3 1-564-002-00 o PIN. 3P
 CN4 1-564-002-00 o PIN. 3P
 CN5 1-564-002-00 o PIN. 3P

CN6 1-564-005-00 o PIN. 6P
 CN7 1-564-004-00 o PIN. 5P

D1 8-719-101-23 s 1SS123
 D2 8-719-101-23 s 1SS123

IC1 8-759-700-84 s NJM2041M-D (JRC)
 IC2 1-808-046-11 s BS7463
 IC3 1-808-046-11 s BS7463

L1 1-408-776-00 s CHIP 8.2
 L2 1-408-776-00 s CHIP 8.2
 L11 1-408-776-00 s CHIP 8.2
 L12 1-408-776-00 s CHIP 8.2
 L31 1-408-776-00 s CHIP 8.2

L32 1-408-776-00 s CHIP 8.2
 L51 1-408-776-00 s CHIP 8.2
 L52 1-408-776-00 s CHIP 8.2
 L71 1-408-776-00 s CHIP 8.2
 L72 1-408-776-00 s CHIP 8.2

Q11 8-729-271-22 s 2SC2712-G
 Q91 8-729-271-22 s 2SC2712-G
 Q92 8-729-216-21 s 2SA1162-Y

Ref No. Parts No. SP Description

R11 1-216-644-11 s METAL CHIP 510 0.50% 1/10W
 R12 1-216-644-11 s METAL CHIP 510 0.50% 1/10W
 R13 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W
 R14 1-216-661-11 s METAL CHIP 2.7k 0.50% 1/10W
 R16 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W

R17 1-216-661-11 s METAL CHIP 2.7k 0.50% 1/10W
 R19 1-216-633-11 s METAL CHIP 180 0.50% 1/10W
 R22 1-216-640-11 s METAL CHIP 360 0.50% 1/10W
 R23 1-216-640-11 s METAL CHIP 360 0.50% 1/10W
 R26 1-216-658-11 s METAL CHIP 2k 0.50% 1/10W

R27 1-216-658-11 s METAL CHIP 2k 0.50% 1/10W
 R31 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R33 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W
 R34 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R36 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W

R37 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R39 1-216-633-11 s METAL CHIP 180 0.50% 1/10W
 R42 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
 R51 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R53 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W

R54 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R56 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W
 R57 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R59 1-216-633-11 s METAL CHIP 180 0.50% 1/10W
 R62 1-216-647-11 s METAL CHIP 680 0.50% 1/10W

R71 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R73 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W
 R74 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R76 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W
 R77 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W

R79 1-216-633-11 s METAL CHIP 180 0.50% 1/10W
 R82 1-216-647-11 s METAL CHIP 680 0.50% 1/10W

S1 1-571-217-11 s SLIDE "LINE/CAMERA"
 S2 1-571-087-11 s SLIDE "-60/-20/+4 (CH-1)"
 S3 1-570-839-11 s SLIDE "LINE/CAMERA (CH-2)"
 S4 1-571-087-11 s SLIDE "-60/-20/+4 (CH-2)"
 S5 1-570-839-11 s SLIDE "LINE/CAMERA (CH-3)"

S6 1-571-087-11 s SLIDE "-60/-20/+4 (CH-4)"
 S7 1-570-839-11 s SLIDE "LINE/CAMERA (CH-4)"
 S8 1-571-087-11 s SLIDE "-60/-20/+4 (CH-4)"
 S9 1-570-839-11 s SLIDE "CH-3/4/CH-1/2"
 S10 1-570-850-11 s SLIDE "STOP EE/OFF/SAVE"

MB-157 BOARD

This board includes the DE-19 Board.

A-6729-537-A o MOUNTED CIRCUIT BOARD, MB-157

C2 1-124-120-11 s ELECT 220 20% 16V
 C3 1-124-120-11 s ELECT 220 20% 16V
 C4 1-124-120-11 s ELECT 220 20% 16V
 C5 1-124-119-00 s ELECT 330 20% 16V
 C6 1-124-472-11 s ELECT 470 20% 6.3V

Parts that are not listed in the "reference numbers order list"
 are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

C7 1-124-119-00 s ELECT 330 20% 16V

CN1 1-566-568-11 o TX (S.S)(PC BOARD)40P
CN2 1-566-568-11 o TX (S.S)(PC BOARD)40P
CN3 1-566-568-11 o TX (S.S)(PC BOARD)40P
CN4 1-566-568-11 o TX (S.S)(PC BOARD)40P
CN5 1-566-568-11 o TX (S.S)(PC BOARD)40P

CN9 1-564-199-00 o PIN HEADER, ANGLE 6P
CN12 1-564-013-00 o PIN, 3P
CN20 1-564-197-00 o PIN HEADER, ANGLE 4P

IC1 8-759-982-34 s RC78M09FA (RAYTHEON)

Q1 8-729-900-89 s DTC144ES
Q2 8-729-245-82 s 2SC2458-Y
Q3 8-729-900-89 s DTC144ES
Q4 8-729-900-89 s DTC144ES
Q5 8-729-208-96 s 2SA1242-Y

MDM-3P BOARD

This board includes the DL-13, DM-58A, DUS-277,
SO-19, EQ-14, EQ-14A, FL-66, PA-60, RF-16, TG-31
and VA-54 Boards.

A-6711-866-A o MOUNTED CIRCUIT BOARD, MDM-3P

C1 1-124-444-00 s ELECT 220 20% 10V
C2 1-124-442-00 s ELECT 330 20% 6.3V
C3 1-124-442-00 s ELECT 330 20% 6.3V
C101 1-162-638-11 s CERAMIC CHIP 1 16V
C102 1-162-638-11 s CERAMIC CHIP 1 16V

C103 1-123-661-00 s ELECT 100 20% 6.3V
C106 1-162-638-11 s CERAMIC CHIP 1 16V
C107 1-135-093-21 s TANTAL. CHIP 10 20% 16V
C111 1-163-103-00 s CERAMIC CHIP 27P 5% 50V
C121 1-162-638-11 s CERAMIC CHIP 1 16V

C122 1-162-638-11 s CERAMIC CHIP 1 16V
C139 1-124-472-11 s ELECT 470 20% 10V
C147 1-163-033-00 s CERAMIC CHIP 0.022 50V
C148 1-163-033-00 s CERAMIC CHIP 0.022 50V
C149 1-131-377-00 s TANTAL. 10 10% 10V

C201 1-162-638-11 s CERAMIC CHIP 1 16V
C202 1-162-638-11 s CERAMIC CHIP 1 16V
C203 1-123-661-00 s ELECT 100 20% 6.3V
C206 1-162-638-11 s CERAMIC CHIP 1 16V
C207 1-135-093-21 s TANTAL. CHIP 10 20% 16V

C221 1-162-638-11 s CERAMIC CHIP 1 16V
C222 1-162-638-11 s CERAMIC CHIP 1 16V
C239 1-124-472-11 s ELECT 470 20% 10V
C245 1-124-224-00 s ELECT 47 20% 6.3V
C261 1-163-103-00 s CERAMIC CHIP 27P 5% 50V

Ref No. Parts No. SP Description

C301 1-162-638-11 s CERAMIC CHIP 1 16V
C302 1-162-638-11 s CERAMIC CHIP 1 16V
C304 1-162-638-11 s CERAMIC CHIP 1 16V
C307 1-162-638-11 s CERAMIC CHIP 1 16V
C313 1-124-444-00 s ELECT 220 20% 10V

C314 1-162-638-11 s CERAMIC CHIP 1 16V
C315 1-107-339-11 s MICA 630.8PF 0.25% 100V
C320 1-124-443-00 s ELECT 100 20% 10V
C322 1-135-093-21 s TANTAL. CHIP 10 20% 16V
C325 1-124-893111 s ELECT 2.2k 20% 6.3V

C326 1-124-443-00 s ELECT 100 20% 6.3V
C327 1-162-638-11 s CERAMIC CHIP 1 16V
C328 1-162-638-11 s CERAMIC CHIP 1 16V
C401 1-162-638-11 s CERAMIC CHIP 1 16V
C402 1-162-638-11 s CERAMIC CHIP 1 16V

C404 1-162-638-11 s CERAMIC CHIP 1 16V
C405 1-162-638-11 s CERAMIC CHIP 1 16V
C407 1-162-638-11 s CERAMIC CHIP 1 16V
C413 1-124-444-00 s ELECT 220 20% 10V
C414 1-162-638-11 s CERAMIC CHIP 1 16V

C415 1-107-340-11 s MICA 651.2PF 0.25% 100V
C420 1-124-443-00 s ELECT 100 20% 10V
C422 1-135-093-21 s TANTAL. CHIP 10 20% 16V
C423 1-162-638-11 s CERAMIC CHIP 1 16V
C424 1-162-638-11 s CERAMIC CHIP 1 16V

C425 1-124-443-00 s ELECT 100 20% 6.3V
C426 1-124-442-00 s ELECT 330 20% 6.3V
C429 1-124-443-00 s ELECT 100 20% 10V
C506 1-162-638-11 s CERAMIC CHIP 1 16V
C507 1-162-638-11 s CERAMIC CHIP 1 16V

C508 1-162-638-11 s CERAMIC CHIP 1 16V
C510 1-135-074-21 s TANTAL. CHIP 0.47 20% 35V
C511 1-135-076-21 s TANTAL. CHIP 1 20% 35V
C512 1-162-638-11 s CERAMIC CHIP 1 16V
C513 1-162-638-11 s CERAMIC CHIP 1 16V

C518 1-135-097-21 s TANTAL. CHIP 15 20% 10V
C519 1-135-097-21 s TANTAL. CHIP 15 20% 10V

CN1 1-566-568-11 o PIN, BOARD TO BOARD 10P

D1 8-719-109-95 s RD6.8ES-B
D2 8-719-109-95 s RD6.8ES-B
D3 8-719-109-95 s RD6.8ES-B
D102 8-719-105-82 s RD5.1M-B2
D201 8-719-100-05 s 1S2837

D202 8-719-105-82 s RD5.1M-B2
D301 8-719-101-23 s 1SS123
D302 8-719-100-03 s 1S2835
D303 8-719-101-23 s 1SS123
D401 8-719-101-23 s 1SS123

FB102 1-543-309-12 s BEAD, FERRITE
FB105 1-543-309-12 s BEAD, FERRITE
FB201 1-543-309-12 s BEAD, FERRITE
FB202 1-543-309-12 s BEAD, FERRITE
FB205 1-543-309-12 s BEAD, FERRITE

FB501 1-543-309-12 s BEAD, FERRITE

Parts that are not listed in the "reference numbers order list"
are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

FL101 1-236-019-11 s LOW PASS (CHIP)
 FL102 1-236-067-12 s LOW PASS
 FL201 1-236-021-11 s LOW PASS (CHIP)
 FL202 1-236-068-12 s LOW PASS
 FL301 1-236-092-12 s LOW PASS 5.5MHz

FL401 1-235-284-11 s LOW PASS (C)

IC101 8-752-030-81 s CXA1040M (SONY)
 IC102 8-752-030-80 s CXA1039M (SONY)
 IC103 8-752-030-82 s CXA1041M (SONY)
 IC104 1-808-038-21 s BS-6336A
 IC201 8-752-030-81 s CXA1040M (SONY)

IC202 8-752-030-80 s CXA1039M (SONY)
 IC203 8-752-030-82 s CXA1041M (SONY)
 IC301 8-759-208-09 s TC4052BFHB (TOSHIBA)
 IC302 1-464-602-12 s CIRCUIT UNIT, HF
 IC304 8-759-208-11 s TC4053BFHB (TOSHIBA)

IC401 8-759-208-09 s TC4052BFHB (TOSHIBA)
 IC402 1-464-602-41 s CIRCUIT UNIT, HF
 IC404 8-759-208-11 s TC4053BFHB (TOSHIBA)

IC501 8-759-204-96 s TC74HC04F (TOSHIBA)
 IC502 8-759-205-78 s TC504013BF (TOSHIBA)
 IC503 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC504 8-759-601-00 s CX20004A (SONY)
 IC505 1-807-090-11 s BH1805

L1 1-408-777-00 s CHIP 10
 L2 1-408-777-00 s CHIP 10
 L3 1-408-777-00 s CHIP 10
 L4 1-408-777-00 s CHIP 10
 L5 1-408-777-00 s CHIP 10

L6 1-408-777-00 s CHIP 10
 L7 1-408-777-00 s CHIP 10
 L8 1-408-785-21 s CHIP 47
 L9 1-408-777-00 s CHIP 10
 L11 1-408-777-00 s CHIP 10

L12 1-408-777-00 s CHIP 10
 L13 1-408-777-00 s CHIP 10
 L14 1-408-777-00 s CHIP 10
 L15 1-408-777-00 s CHIP 10
 L16 1-408-777-00 s CHIP 10

L17 1-408-777-00 s CHIP 10
 L18 1-408-777-00 s CHIP 10
 L19 1-408-785-21 s CHIP 47
 L51 1-408-785-21 s CHIP 47
 L52 1-408-785-21 s CHIP 47

L53 1-408-785-21 s CHIP 47
 L101 1-410-470-11 s MICRO 10
 L103 1-408-785-21 s CHIP 47
 L201 1-408-789-21 s CHIP 100
 L203 1-408-785-21 s CHIP 47

L301 1-410-465-11 s MICRO 3.9
 L306 1-410-706-31 s CHIP 12
 L401 1-410-468-11 s MICRO 6.8
 L402 1-410-473-11 s MICRO 18
 L501 1-408-794-00 s CHIP 270

L502 1-408-779-31 s CHIP 15
 L701 1-408-782-11 s CHIP 27

Ref No. Parts No. SP Description

Q1 8-729-901-01 s DTC144EK
 Q2 8-729-271-22 s 2SC2712-G
 Q3 8-729-101-07 s 2SB798
 Q4 8-729-202-06 s 2SC2873-Y
 Q5 8-729-101-07 s 2SB798

Q6 8-729-901-01 s DTC144EK
 Q7 8-729-202-06 s 2SC2873-Y
 Q8 8-729-101-07 s 2SB798
 Q9 8-729-901-01 s DTC144EK
 Q10 8-729-202-06 s 2SC2873-Y

Q11 8-729-202-06 s 2SC2873-Y
 Q12 8-729-271-22 s 2SC2712-G
 Q101 8-729-201-27 s 2SC2715-Y
 Q103 8-729-901-01 s DTC144EK
 Q104 8-729-901-06 s DTA144EK

Q105 8-729-400-76 s 2SD1030
 Q107 8-729-200-86 s 2SC2714-o
 Q108 8-729-102-07 s 2SC2223-F13
 Q109 8-729-102-07 s 2SC2223-F13
 Q110 8-729-216-21 s 2SA1162-Y

Q111 8-729-603-30 s 2SC403SP-3
 Q113 8-729-200-86 s 2SC2714-o
 Q114 8-729-122-63 s 2SA1226
 Q115 8-729-122-63 s 2SA1226
 Q116 8-729-109-44 s 2SK94

Q117 8-729-122-63 s 2SA1226
 Q118 8-729-122-63 s 2SA1226
 Q119 8-729-901-06 s DTA144EK
 Q201 8-729-201-27 s 2SC2715-Y
 Q202 8-729-201-27 s 2SC2715-Y

Q204 8-729-901-06 s DTA144EK
 Q205 8-729-400-76 s 2SD1030
 Q207 8-729-200-86 s 2SC2714-o
 Q208 8-729-102-07 s 2SC2223-F13
 Q209 8-729-102-07 s 2SC2223-F13

Q210 8-729-216-21 s 2SA1162-Y
 Q211 8-729-200-86 s 2SC2714-o
 Q212 8-729-216-21 s 2SA1162-Y
 Q213 8-729-200-86 s 2SC2714-o
 Q214 8-729-200-86 s 2SC2714-o

Q215 8-729-122-63 s 2SA1226
 Q216 8-729-109-44 s 2SK94
 Q217 8-729-122-63 s 2SA1226
 Q218 8-729-122-63 s 2SA1226
 Q219 8-729-901-06 s DTA144EK

Q301 8-729-201-27 s 2SC2715-Y
 Q304 8-729-122-63 s 2SA1226
 Q305 8-729-122-63 s 2SA1226
 Q306 8-729-201-27 s 2SC2715-Y
 Q307 8-729-201-27 s 2SC2715-Y

Q309 8-729-122-63 s 2SA1226
 Q310 8-729-201-27 s 2SC2715-Y
 Q311 8-729-201-27 s 2SC2715-Y
 Q314 8-729-122-63 s 2SA1226
 Q315 8-729-201-27 s 2SC2715-Y

Q316 8-729-901-06 s DTA144EK
 Q319 8-729-202-38 s 2SC332GN
 Q321 8-729-109-44 s 2SK94
 Q322 8-729-901-06 s DTA144EK
 Q401 8-729-201-27 s 2SC2715-Y

Parts that are not listed in the "reference numbers order list"
 are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

Q404 8-729-122-63 s 2SA1226
 Q405 8-729-122-63 s 2SA1226
 Q406 8-729-201-27 s 2SC2715-Y
 Q407 8-729-201-27 s 2SC2715-Y
 Q408 8-729-201-27 s 2SC2715-Y

Q409 8-729-200-86 s 2SC2714-O
 Q410 8-729-201-27 s 2SC2715-Y
 Q411 8-729-200-86 s 2SC2714-O
 Q412 8-729-122-63 s 2SA1226
 Q413 8-729-901-01 s DTC144EK

Q414 8-729-122-63 s 2SA1226
 Q415 8-729-201-27 s 2SC2715-Y
 Q416 8-729-201-27 s 2SC2715-Y
 Q417 8-729-201-27 s 2SC2715-Y
 Q418 8-729-122-63 s 2SA1226

Q421 8-729-109-44 s 2SK94
 Q501 8-729-201-27 s 2SC2715-Y
 Q502 8-729-201-27 s 2SC2715-Y
 Q503 8-729-201-27 s 2SC2715-Y
 Q504 8-729-201-27 s 2SC2715-Y

Q505 8-729-216-21 s 2SA1162-Y
 Q506 8-729-201-27 s 2SC2715-Y
 Q507 8-729-201-27 s 2SC2715-Y
 Q508 8-729-201-27 s 2SC2715-Y
 Q509 8-729-201-27 s 2SC2715-Y

Q701 8-729-109-43 s 2SK94-X3

R104 1-216-653-11 s METAL CHIP 1.2k 0.50% 1/10W
 R105 1-216-652-11 s METAL CHIP 1.1k 0.50% 1/10W
 R107 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R108 1-216-654-11 s METAL CHIP 1.3k 0.50% 1/10W
 R118 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

R119 1-216-650-11 s METAL CHIP 910 0.50% 1/10W
 R120 1-216-650-11 s METAL CHIP 910 0.50% 1/10W
 R121 1-216-665-11 s METAL CHIP 3.9k 0.50% 1/10W
 R126 1-216-633-11 s METAL CHIP 180 0.50% 1/10W
 R150 1-216-629-11 s METAL CHIP 120 0.50% 1/10W

R151 1-216-629-11 s METAL CHIP 120 0.50% 1/10W
 R152 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R204 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R205 1-216-652-11 s METAL CHIP 1.1k 0.50% 1/10W
 R208 1-216-654-11 s METAL CHIP 1.3k 0.50% 1/10W

R215 1-216-673-11 s METAL CHIP 8.2k 0.50% 1/10W
 R218 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R219 1-216-650-11 s METAL CHIP 910 0.50% 1/10W
 R220 1-216-650-11 s METAL CHIP 910 0.50% 1/10W
 R221 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W

R226 1-216-631-11 s METAL CHIP 150 0.50% 1/10W
 R250 1-216-629-11 s METAL CHIP 120 0.50% 1/10W
 R251 1-216-629-11 s METAL CHIP 120 0.50% 1/10W
 R252 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R253 1-216-644-11 s METAL CHIP 510 0.50% 1/10W

R254 1-216-638-11 s METAL CHIP 300 0.50% 1/10W
 R255 1-216-644-11 s METAL CHIP 510 0.50% 1/10W
 R257 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R262 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W
 R317 1-216-603-11 s METAL CHIP 10 0.50% 1/10W

R320 1-216-638-11 s METAL CHIP 300 0.50% 1/10W
 R321 1-216-638-11 s METAL CHIP 300 0.50% 1/10W
 R344 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R350 1-216-641-11 s METAL CHIP 390 0.50% 1/10W
 R351 1-216-647-11 s METAL CHIP 680 0.50% 1/10W

Ref No. Parts No. SP Description

R352 1-216-641-11 s METAL CHIP 390 0.50% 1/10W
 R353 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
 R356 1-216-631-11 s METAL CHIP 150 0.50% 1/10W
 R358 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R359 1-216-673-11 s METAL CHIP 8.2k 0.50% 1/10W

R365 1-216-662-11 s METAL CHIP 3k 0.50% 1/10W
 R409 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R411 1-216-653-11 s METAL CHIP 1.2k 0.50% 1/10W
 R415 1-218-177-11 s METAL CHIP 1k 0.10% 1/16W
 R416 1-218-175-11 s METAL CHIP 267 0.10% 1/16W

R420 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R421 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R450 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R451 1-216-645-11 s METAL CHIP 560 0.50% 1/10W
 R452 1-216-643-11 s METAL CHIP 470 0.50% 1/10W

R453 1-216-645-11 s METAL CHIP 560 0.50% 1/10W
 R456 1-216-631-11 s METAL CHIP 150 0.50% 1/10W
 R458 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R459 1-216-673-11 s METAL CHIP 8.2k 0.50% 1/10W
 R463 1-216-683-11 s METAL CHIP 22k 0.50% 1/10W

R465 1-216-662-11 s METAL CHIP 3k 0.50% 1/10W
 R467 1-216-684-11 s METAL CHIP 24k 0.50% 1/10W
 R508 1-216-691-11 s METAL CHIP 47k 0.50% 1/10W
 R509 1-216-664-11 s METAL CHIP 3.6k 0.50% 1/10W
 R510 1-216-691-11 s METAL CHIP 47k 0.50% 1/10W

R511 1-216-655-11 s METAL CHIP 1.5k 0.50% 1/10W
 R520 1-216-679-11 s METAL CHIP 15k 0.50% 1/10W
 R703 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
 R704 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W

RV101 1-230-523-11 s VAR. METAL GLAZE 10k
 RV102 1-226-777-00 s VAR. METAL GLAZE 1M
 RV103 1-230-520-11 s VAR. METAL GLAZE 1k
 RV104 1-230-526-11 s VAR. METAL GLAZE 47k
 RV105 1-230-526-11 s VAR. METAL GLAZE 47k

RV106 1-230-523-11 s VAR. METAL GLAZE 10k
 RV107 1-228-459-00 s VAR. CERMET 10k
 RV108 1-228-462-00 s VAR. CERMET 100k
 RV109 1-228-455-00 s VAR. CERMET 500
 RV110 1-228-457-00 s VAR. CERMET 2k

RV111 1-228-454-00 s VAR. CERMET 200
 RV113 1-230-524-11 s VAR. METAL GLAZE 22k
 RV114 1-230-520-11 s VAR. METAL GLAZE 1k
 RV201 1-230-523-11 s VAR. METAL GLAZE 10k
 RV202 1-226-777-00 s VAR. METAL GLAZE 1M

RV203 1-230-520-11 s VAR. METAL GLAZE 1k
 RV204 1-230-526-11 s VAR. METAL GLAZE 47k
 RV205 1-230-526-11 s VAR. METAL GLAZE 47k
 RV206 1-237-036-11 s VAR. CERMET 10k
 RV207 1-228-459-00 s VAR. CERMET 10k

RV208 1-228-463-00 s VAR. CERMET 200k
 RV209 1-228-455-00 s VAR. CERMET 500
 RV210 1-228-457-00 s VAR. CERMET 2k
 RV211 1-228-454-00 s VAR. CERMET 200
 RV212 1-230-522-11 s VAR. METAL GLAZE 4.7k

RV214 1-228-457-00 s VAR. CERMET 2k
 RV302 1-230-523-11 s VAR. METAL GLAZE 10k
 RV303 1-228-461-00 s VAR. CERMET 50k
 RV304 1-228-457-00 s VAR. CERMET 2k
 RV402 1-230-523-11 s VAR. METAL GLAZE 10k

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

RV403 1-230-526-11 s VAR. METAL GLAZE 47k
 RV404 1-230-521-11 s VAR. METAL GLAZE 2.2k

TH1 1-800-198-11 s S-1k
 TH101 1-800-200-00 s S-3k
 TH102 1-800-198-11 s S-1k
 TH202 1-800-198-11 s S-1k

X501 1-567-863-11 s VIBRATOR, CRYSTAL 10.6641MHz

MS-22 BOARD

A-6713-295-A o MOUNTED CIRCUIT BOARD, MS-22

1-564-026-00 s CONTACT, RECEPTACLE

C2 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C3 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C4 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C7 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C8 1-135-093-21 s TANTAL. CHIP 10 10% 16V

C9 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C10 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C57 1-126-101-11 s ELECT 100 20% 16V
 C58 1-126-101-11 s ELECT 100 20% 16V
 C61 1-124-234-00 s ELECT 22 20% 16V

C62 1-126-101-11 s ELECT 100 20% 16V
 C63 1-126-101-11 s ELECT 100 20% 16V
 C65 1-124-556-11 s ELECT 2200 20% 16V

CN1 1-562-966-21 o SOCKET, 22P
 CN906 1-562-154-11 o HOUSING, 9P
 CN907 1-562-156-11 o HOUSING, 11P
 CN931 1-562-155-11 o HOUSING, 10P
 CN966 1-562-151-11 o HOUSING, 6P

CN976 1-562-151-11 o HOUSING, 6P

D52 8-719-101-23 s 1SS123
 D53 8-719-101-23 s 1SS123
 D54 8-719-105-90 s RD5.6M-B1

IC1 8-759-208-11 s TC40538FHB (TOSHIBA)
 IC2 8-759-700-84 s NJM2041M-D (JRC)
 IC3 8-759-200-67 s TC4001BF (TOSHIBA)
 IC4 8-759-745-64 s NJM4560M (JRC)
 IC5 8-759-700-50 s NJN386M (JRC)

Q1 8-729-901-01 s DTC144EK
 Q2 8-729-901-01 s DTC144EK
 Q3 8-729-400-76 s 2SD1030
 Q4 8-729-400-76 s 2SD1030
 Q5 8-729-400-76 s 2SD1030

Ref No. Parts No. SP Description

Q51 8-729-271-22 s 2SC2712-G
 Q52 8-729-216-21 s 2SA1162-Y
 Q57 8-729-216-21 s 2SA1162-Y
 Q58 8-729-216-21 s 2SA1162-Y
 Q60 8-729-200-46 s 2SD1160

S1 1-570-856-11 s SLIDE
 S2 1-570-856-11 s SLIDE
 S3 1-570-856-11 s SLIDE
 S4 1-570-856-11 s SLIDE
 S5 1-570-856-11 s SLIDE

S6 1-570-832-11 s SLIDE

TH1 1-548-152-11 o HOUR METER, DIGITAL

MT-34 BOARD

This board includes the VR-64 Board.

1-622-889-14 o PRINTED CIRCUIT BOARD, MT-34

C11 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C12 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C13 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C14 1-135-101-21 s TANTAL. CHIP 22 10% 6.3V
 C31 1-135-093-21 s TANTAL. CHIP 10 10% 16V

C32 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C33 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C34 1-135-101-21 s TANTAL. CHIP 22 10% 6.3V
 C51 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C52 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V

C53 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C54 1-135-101-21 s TANTAL. CHIP 22 10% 6.3V
 C62 1-126-101-11 s ELECT 100 20% 16V
 C63 1-126-101-11 s ELECT 100 20% 16V
 C71 1-135-093-21 s TANTAL. CHIP 10 10% 16V

C72 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C73 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C74 1-135-101-21 s TANTAL. CHIP 22 10% 6.3V
 C94 1-126-101-11 s ELECT 100 20% 16V
 C97 1-126-101-11 s ELECT 100 20% 16V

CN1 1-562-966-21 o SOCKET, 22P
 CN9 1-564-548-11 o PIN, BOARD TO BOARD 5P
 CN10 1-564-548-11 o PIN, BOARD TO BOARD 5P

D1 8-719-100-05 s 1S2837
 D2 8-719-100-05 s 1S2837
 D3 8-719-945-27 s SLH-34VT3
 D4 8-719-945-27 s SLH-34VT3
 D5 8-719-945-27 s SLH-34VT3

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

D6 8-719-945-27 s SLH-34YT3
D7 8-719-101-23 s ISS123
D8 8-719-110-05 s RDB. 2ES-B
D9 8-719-100-05 s IS2837
D10 8-719-110-38 s RD15ES-B

D11 8-719-945-27 s SLH-34YT3
D12 8-719-945-27 s SLH-34YT3
D13 8-719-945-27 s SLH-34YT3
D14 8-719-945-27 s SLH-34YT3

IC1 8-759-208-11 s TC4053BFHB (TOSHIBA)
IC2 8-759-208-11 s TC4053BFHB (TOSHIBA)
IC3 8-759-208-11 s TC4053BFHB (TOSHIBA)
IC4 8-759-208-11 s TC4053BFHB (TOSHIBA)
IC5 8-759-700-84 s NJM2041M-D (JRC)

IC6 8-759-700-84 s NJM2041M-D (JRC)
IC7 8-759-700-84 s NJM2041M-D (JRC)
IC8 8-759-700-84 s NJM2041M-D (JRC)

Q1 8-729-271-22 s 2SC2712-G
Q2 8-729-271-22 s 2SC2712-G
Q3 8-729-271-22 s 2SC2712-G
Q4 8-729-271-22 s 2SC2712-G
Q5 8-729-271-22 s 2SC2712-G

Q6 8-729-216-21 s 2SA1162-Y

2)R12 1-216-669-11 s METAL CHIP 5.6K 0.50% 1/10W
2)R13 1-216-667-11 s METAL CHIP 4.7K 0.50% 1/10W
2)R16 1-216-669-11 s METAL CHIP 100K 0.50% 1/10W
2)R17 1-216-669-11 s METAL CHIP 5.6K 0.50% 1/10W
2)R32 1-216-669-11 s METAL CHIP 5.6K 0.50% 1/10W

2)R33 1-216-667-11 s METAL CHIP 4.7K 0.50% 1/10W
2)R36 1-216-669-11 s METAL CHIP 100K 0.50% 1/10W
2)R37 1-216-669-11 s METAL CHIP 5.6K 0.50% 1/10W
2)R52 1-216-669-11 s METAL CHIP 5.6K 0.50% 1/10W
2)R53 1-216-667-11 s METAL CHIP 4.7K 0.50% 1/10W

2)R56 1-216-669-11 s METAL CHIP 5.6K 0.50% 1/10W
2)R57 1-216-673-11 s METAL CHIP 8.2K 0.50% 1/10W
2)R72 1-216-669-11 s METAL CHIP 5.6K 0.50% 1/10W
2)R73 1-216-667-11 s METAL CHIP 4.7K 0.50% 1/10W
2)R76 1-216-669-11 s METAL CHIP 5.6K 0.50% 1/10W

2)R77 1-216-673-11 s METAL CHIP 8.2K 0.50% 1/10W
2)R211 1-216-664-11 s METAL CHIP 3.6K 0.50% 1/10W
2)R231 1-216-664-11 s METAL CHIP 3.6K 0.50% 1/10W

RV5 1-230-522-11 s VAR. METAL GLAZE 4.7k
RV6 1-230-522-11 s VAR. METAL GLAZE 4.7k
RV7 1-230-522-11 s VAR. METAL GLAZE 4.7k
RV8 1-230-522-11 s VAR. METAL GLAZE 4.7k
RV9 1-230-523-11 s VAR. METAL GLAZE 10k

Ref No. Parts No. SP Description

RV10 1-230-523-11 s VAR. METAL GLAZE 10k
RV11 1-230-523-11 s VAR. METAL GLAZE 10k
RV12 1-230-524-11 s VAR. METAL GLAZE 22k
RV13 1-230-524-11 s VAR. METAL GLAZE 22k
RV201 1-230-521-11 s VAR. METAL GLAZE 2.2K

RV221 1-230-521-11 s VAR. METAL GLAZE 2.2K

MTS-2 BOARD

1-622-914-12 o PRINTED CIRCUIT BOARD, MTS-2

S1 1-570-857-11 s SLIDE

NR-18 BOARD

All of the component parts on the NR-18 Board are supplied together when you order the CEC-3P Board.

1-622-878-14 o PRINTED CIRCUIT BOARD, NR-18

C6 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
C7 1-135-093-21 s TANTAL. CHIP 10 10% 16V

CN1 1-566-092-11 o PIN, BOARD TO BOARD 7P

IC1 8-752-030-80 s CXA1039M (SONY)

Q1 8-729-201-27 s 2SC2715-Y
Q2 8-729-201-27 s 2SC2715-Y
Q3 8-729-201-27 s 2SC2715-Y
Q4 8-729-201-27 s 2SC2715-Y
Q5 8-729-201-27 s 2SC2715-Y

Q6 8-729-201-27 s 2SC2715-Y
Q7 8-729-200-86 s 2SC2714-o
Q8 8-729-122-63 s 2SA1226
Q9 8-729-200-86 s 2SC2714-o
Q10 8-729-122-63 s 2SA1226

Q11 8-729-201-27 s 2SC2715-Y
Q12 8-729-201-27 s 2SC2715-Y
Q13 8-729-201-27 s 2SC2715-Y
Q14 8-729-201-27 s 2SC2715-Y
Q15 8-729-201-27 s 2SC2715-Y

Q16 8-729-201-27 s 2SC2715-Y

R5 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
R6 1-216-661-11 s METAL CHIP 2.7K 0.50% 1/10W
R16 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
R23 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
R26 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
R33	1-216-643-11	s	METAL CHIP 470 0.50% 1/10W
R34	1-126-653-11	s	METAL CHIP 1.2k 0.50% 1/10W

RV1	1-228-472-00	s	VAR, CERMET 2k
RV2	1-228-472-00	s	VAR, CERMET 2k
RV3	1-228-476-00	s	VAR, CERMET 50k
RV4	1-228-473-00	s	VAR, CERMET 5k
RV5	1-228-472-00	s	VAR, CERMET 2k

RV6	1-228-473-00	s	VAR, CERMET 5k
RV7	1-228-473-00	s	VAR, CERMET 5k

TH1	1-800-200-00	s	S-3K
-----	--------------	---	------

NR-19 BOARD

All of the component parts on the NR-19 Board are supplied together when you order the AU-93P Board.

1-622-888-11 o PRINTED CIRCUIT BOARD, NR-19

C1	1-124-225-00	s	ELECT 100 20% 6.3V
C4	1-162-587-91	s	CERAMIC CHIP 0.039 10% 25V
C9	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V
C12	1-135-104-00	s	TANTAL. CHIP 10 10% 4V
C13	1-135-072-21	s	TANTAL. CHIP 0.22 10% 35V

C14	1-124-225-00	s	ELECT 100 20% 6.3V
C15	1-124-225-00	s	ELECT 100 20% 6.3V
C19	1-162-587-91	s	CERAMIC CHIP 0.039 10% 25V
C23	1-135-100-21	s	TANTAL. CHIP 6.8 10% 6.3V
C26	1-135-104-00	s	TANTAL. CHIP 10 10% 4V

C27	1-135-072-21	s	TANTAL. CHIP 0.22 10%
C28	1-124-225-00	s	ELECT 100 20% 6.3V

CN1	1-564-549-11	o	PIN, BOARD TO BOARD 10P
-----	--------------	---	-------------------------

IC1	8-752-009-90	s	CX20099 (SONY)
-----	--------------	---	----------------

R2	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R4	1-216-661-11	s	METAL CHIP 2.7k 0.50% 1/10W
R5	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R6	1-216-647-11	s	METAL CHIP 680 0.50% 1/10W
R7	1-216-677-11	s	METAL CHIP 12k 0.50% 1/10W

R8	1-216-665-11	s	METAL CHIP 3.9k 0.50% 1/10W
R10	1-216-663-11	s	METAL CHIP 3.3k 0.50% 1/10W
R11	1-216-661-11	s	METAL CHIP 2.7k 0.50% 1/10W
R12	1-216-663-11	s	METAL CHIP 3.3k 0.50% 1/10W
R15	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W

R16	1-216-661-11	s	METAL CHIP 2.7k 0.50% 1/10W
R17	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R18	1-216-647-11	s	METAL CHIP 680 0.50% 1/10W
R19	1-216-677-11	s	METAL CHIP 12k 0.50% 1/10W
R20	1-216-665-11	s	METAL CHIP 3.9k 0.50% 1/10W

Ref No.	Parts No.	SP	Description
---------	-----------	----	-------------

R22	1-216-663-11	s	METAL CHIP 3.3k 0.50% 1/10W
R23	1-216-661-11	s	METAL CHIP 2.7k 0.50% 1/10W
R24	1-216-663-11	s	METAL CHIP 3.3k 0.50% 1/10W

PA-60 BOARD

All of the component parts on the PA-60 Board are supplied together when you order the MDM-3P Board.

1-622-862-11 o PRINTED CIRCUIT BOARD, PA-60

CN1	1-564-549-11	o	PIN, BOARD TO BOARD 10P
-----	--------------	---	-------------------------

IC1	8-759-112-53	s	uPC1663G (NEC)
IC2	8-759-112-53	s	uPC1663G (NEC)

R1	1-216-635-11	s	METAL CHIP, 220 0.50% 1/10W
R2	1-216-635-11	s	METAL CHIP, 220 0.50% 1/10W
R5	1-216-635-11	s	METAL CHIP, 220 0.50% 1/10W
R8	1-216-635-11	s	METAL CHIP, 220 0.50% 1/10W
R9	1-216-635-11	s	METAL CHIP, 220 0.50% 1/10W

R10	1-216-635-11	s	METAL CHIP, 220 0.50% 1/10W
-----	--------------	---	-----------------------------

RV601	1-228-474-00	s	VAR, CERMET 10k
RV602	1-228-474-00	s	VAR, CERMET 10k

PSW-8 BOARD

1-622-909-16 o PRINTED CIRCUIT BOARD, PSW-8

CN51	1-564-198-00	o	PIN HEADER, ANGLE 5P
CN52	1-564-197-00	o	PIN HEADER, ANGLE 4P
CN53	1-564-198-00	o	PIN HEADER, ANGLE 5P
CN54	1-564-196-00	o	PIN HEADER, ANGLE 3P
CN55	1-564-201-00	o	PIN HEADER, ANGLE 10P

CN58	1-564-012-00	o	PIN, 2P
------	--------------	---	---------

D52	8-719-200-02	s	10E2
D53	8-719-911-19	s	1SS119
D54	8-719-911-19	s	1SS119
D55	8-719-200-02	s	10E2
D56	8-719-911-19	s	1SS119

IC51	8-759-982-31	s	RC78M05FA (RAYTHEON)
------	--------------	---	----------------------

L1	1-459-155-00	s	COIL (WITH CORE) 45
----	--------------	---	---------------------

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

Q51 8-729-206-11 s 2SA1244-Y
Q52 8-729-901-98 s 2SA1036K-R
Q53 8-729-900-53 s DTC114EK
Q54 8-729-900-53 s DTC114EK
Q55 8-729-901-01 s DTC144EK

R53 1-247-744-11 s CARBON 270 5% 1/2W

RF-16 BOARD

All of the component parts on the RF-16 Board are supplied together when you order the MDM-3P Board.

1-622-863-14 o PRINTED CIRCUIT BOARD, RF-16

C15 1-135-096-21 s TANTAL. CHIP 4.7 10% 10V
C17 1-135-093-21 s TANTAL. CHIP 10 10% 16V

CN1 1-564-549-11 o PIN, BOARD TO BOARD 10P

FB1 1-543-309-12 s BEAD, FERRITE

IC1 8-766-001-49 s TX429M
IC2 8-759-111-69 s uPC1037HA (NEC)
IC3 8-759-908-17 s TL082CPS (TI)

L1 1-408-773-31 s CHIP 4.7

Q1 8-729-122-63 s 2SA1226
Q2 8-729-122-63 s 2SA1226
Q3 8-729-122-63 s 2SA1226
Q4 8-729-201-27 s 2SC2715-Y
Q5 8-729-201-27 s 2SC2715-Y

Q6 8-729-400-76 s 2SD1030
Q7 8-729-201-27 s 2SC2715-Y
Q8 8-729-201-27 s 2SC2715-Y
Q9 8-729-216-21 s 2SA1162-Y

R35 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
R36 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
R37 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
R38 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W
R39 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

RV603 1-228-473-00 s VAR, CERMET 5k

Ref No. Parts No. SP Description

RG-24 BOARD

All of the component parts on the RG-24 Board are supplied together when you order the MDM-3P Board.

1-628-302-11 o PRINTED CIRCUIT BOARD, RG-24

CN1 1-506-592-11 s PIN, BOARD TO BOARD 4P

IC1 8-759-908-15 s TL431CLP (TOSHIBA)

R2 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
R3 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
R4 1-216-649-11 s METAL CHIP 820 0.50% 1/10W

RM-54 BOARD

1-622-910-11 o PRINTED CIRCUIT BOARD, RM-54

RMD-1 BOARD

1-622-911-13 o PRINTED CIRCUIT BOARD, RMD-1

1-564-026-00 s CONTACT, RECEPTACLE

CN806 1-562-149-11 o HOUSING, 4P

SD-16P BOARD

A A-6715-381-A o MOUNTED CIRCUIT BOARD, SD-16P

C1 1-131-374-00 s TANTALUM 33 10% 10V
C3 1-124-120-11 s ELECT 220 20% 16V
9)C7 1-126-101-11 s ELECT 100 20% 16V
10)C7 1-124-119-11 s ELECT 330 20% 16V
C11 1-126-101-11 s ELECT 100 20% 16V

C15 1-126-101-11 s ELECT 100 20% 16V
C17 1-124-343-00 s ELECT 2200 20% 16V
C19 1-124-120-11 s ELECT 220 20% 16V
C20 1-124-120-11 s ELECT 220 20% 16V
C23 1-124-477-11 s ELECT 47 20% 16V

C25 1-124-477-11 s ELECT 47 20% 16V
C30 1-124-499-11 s ELECT 1 20% 50V
C31 1-124-499-11 s ELECT 1 20% 50V
C42 1-124-499-11 s ELECT 1 20% 50V

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
CN3	1-564-204-00	o	PIN HEADER. STRAIGHT 3P
CN4	1-564-204-00	o	PIN HEADER. STRAIGHT 3P

D2	8-719-100-03	s	IS2835
D3	8-719-100-03	s	IS2835
D4	8-719-982-04	s	ERB81-004
D5	8-719-982-04	s	ERB81-004
D6	8-719-982-04	s	ERB81-004
D7	8-719-100-03	s	IS2835
D8	8-719-982-04	s	ERB81-004
D9	8-719-982-04	s	ERB 81-004
D10	8-719-100-03	s	IS2835
D11	8-719-100-03	s	IS2835

D12	8-719-100-05	s	IS2837
D13	8-719-101-23	s	ISS123
D14	8-719-910-75	s	HZ7B2L
D15	8-719-100-05	s	IS2837
D16	8-719-101-23	s	ISS123

D17	8-719-100-05	s	IS2837
-----	--------------	---	--------

FBI	1-535-178-00	s	FERRITE
-----	--------------	---	---------

IC1	8-749-911-54	s	BX1154 (SONY)
IC2	8-759-700-07	s	NJM2903M (JRC)
IC3	8-759-100-94	s	uPC358G2 (NEC)
IC4	8-759-700-07	s	NJM2903M (JRC)
IC5	8-759-100-95	s	uPC324G2 (NEC)

IC6	8-759-100-94	s	uPC358G2 (NEC)
IC7	8-759-904-94	s	TL494CN (TI)
IC8	8-759-100-94	s	uPC358G2 (NEC)

L1	1-408-298-21	s	CHOKE 2mH
L2	1-459-155-00	s	(WITH CORE) 45
L3	1-408-298-21	s	CHOKE 2mH
L4	1-408-298-21	s	CHOKE 2mH
L5	1-408-519-00	s	CHOKE 100uH
L6	1-408-519-00	s	CHOKE 100uH

Q1	8-729-901-01	s	DTC144EK
Q2	8-729-901-01	s	DTC144EK
Q3	8-729-901-01	s	DTC144EK
Q4	8-729-901-01	s	DTC144EK
Q5	8-729-901-01	s	DTC144EK

Q6	8-729-216-21	s	2SA1162-Y
Q7	8-729-901-01	s	DTC144EK
Q8	8-729-901-04	s	DTA114EK
Q9	8-729-216-21	s	2SA1162-Y
Q10	8-729-200-46	s	2SD1160

Q11	8-729-901-01	s	DTC144EK
Q12	8-729-216-21	s	2SA1162-Y
Q13	8-729-113-33	s	2SB733-4

Q14	8-729-901-01	s	DTC144EK
Q15	8-729-216-21	s	2SA1162-Y
Q16	8-729-113-33	s	2SB733-4
Q17	8-729-113-33	s	2SB733-4
Q18	8-729-216-21	s	2SA1162-Y

Ref No.	Parts No.	SP	Description
---------	-----------	----	-------------

Q19	8-729-901-01	s	DTC144EK
Q20	8-729-901-01	s	DTC144EK
Q21	8-729-901-04	s	DTA114EK
Q22	8-729-216-21	s	2SA1162-Y
Q23	8-729-901-01	s	DTC144EK

Q24	8-729-109-44	s	2SK94
Q25	8-729-216-21	s	2SA1162-Y
Q26	8-729-901-01	s	DTC144EK
Q27	8-729-901-04	s	DTA114EK
Q28	8-729-271-22	s	2SC2712-G

Q29	8-729-216-21	s	2SA1162-Y
Q30	8-729-901-01	s	DTC144EK
Q31	8-729-216-21	s	2SA1162-Y

R13	1-247-711-11	s	CARBON 680 5% 1/4W
R29	1-247-704-11	s	CARBON 220 5% 1/4W
R30	1-247-713-11	s	CARBON 1k 5% 1/4W

△ R40	1-216-393-00	s	WIREWOUND 2.2 10% 3W F
-------	--------------	---	------------------------

R48	1-247-704-11	s	CARBON 220 5% 1/4W
-----	--------------	---	--------------------

R49	1-247-713-11	s	CARBON 1k 5% 1/4W
-----	--------------	---	-------------------

△ R63	1-216-393-00	s	WIREWOUND 2.2 10% 3W F
-------	--------------	---	------------------------

R91	1-247-742-11	s	CARBON 180 5% 1/2W
-----	--------------	---	--------------------

SG-137 BOARD

All of the component parts on the SG-137 Board are supplied together when you order the AU-93P Board.

1-623-411-12 o PRINTED CIRCUIT BOARD. SG-137

C1	1-135-088-21	s	TANTAL. CHIP 2.2 10% 20V
C6	1-163-033-00	s	CERAMIC CHIP 0.022 10% 25V

CN1	1-564-549-11	s	PIN. BOARD TO BOARD 10P
-----	--------------	---	-------------------------

IC1	8-759-205-21	s	TC74HC221F (TOSHIBA)
IC2	8-759-205-06	s	TC74HC74F (TOSHIBA)

L1	1-408-794-00	s	CHIP 270
----	--------------	---	----------

Q1	8-729-901-06	s	DTA144EK
Q2	8-729-271-22	s	2SC2712-G
Q3	8-729-271-22	s	2SC2712-G
Q4	8-729-271-22	s	2SC2712-G
Q5	8-729-271-22	s	2SC2712-G

Q6	8-729-271-22	s	2SC2712-G
Q7	8-729-271-22	s	2SC2712-G

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

R2 1-216-686-11 s METAL CHIP 30k 0.50% 1/10W
 R4 1-216-692-11 s METAL CHIP 51k 0.50% 1/10W

RV1 1-237-555-11 s VAR, CERMET 10k

SV-94P BOARD

A-6715-380-A o MOUNTED CIRCUIT BOARD, SV-94P

C9 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C10 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C11 1-135-083-00 s TANTAL. CHIP 0.47 10% 25V
 C29 1-135-096-21 s TANTAL. CHIP 4.7 10% 10V
 C32 1-162-638-11 s CERAMIC CHIP 1 16V
 C34 1-135-070-00 s TANTAL. CHIP 0.1 10% 35V
 C39 1-135-072-21 s TANTAL. CHIP 0.22 10% 35V
 C40 1-162-587-91 s CERAMIC CHIP 0.039 10% 25V
 C41 1-163-016-00 s CERAMIC CHIP 0.0039 10% 50V
 C44 1-135-091-00 s TANTAL. CHIP 1 10% 16V
 C45 1-135-083-00 s TANTAL. CHIP 0.47 10% 25V
 C47 1-135-091-00 s TANTAL. CHIP 1 10% 16V
 C48 1-135-088-21 s TANTAL. CHIP 2.2 10% 20V
 C49 1-135-092-21 s TANTAL. CHIP 3.3 10% 16V
 C50 1-135-092-21 s TANTAL. CHIP 3.3 10% 16V
 C53 1-135-091-00 s TANTAL. CHIP 1 10% 16V
 C54 1-135-097-21 s TANTAL. CHIP 15 10% 10V
 C57 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C59 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C60 1-163-033-00 s CERAMIC CHIP 0.022 10% 25V
 C61 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
 C62 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C69 1-135-070-00 s TANTAL. CHIP 0.1 10% 35V
 C73 1-135-072-21 s TANTAL. CHIP 0.22 10% 35V
 C75 1-135-097-21 s TANTAL. CHIP 15 10% 10V
 C76 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
 C77 1-135-070-00 s TANTAL. CHIP 0.1 10% 35V
 C80 1-135-125-21 s TANTAL. CHIP 33 20% 6.3V
 C81 1-135-125-21 s TANTAL. CHIP 33 20% 6.3V
 C82 1-135-096-21 s TANTAL. CHIP 4.7 10% 10V
 C83 1-135-096-21 s TANTAL. CHIP 4.7 10% 10V
 C87 1-135-084-21 s TANTAL. CHIP 1.5 10% 25V
 C88 1-135-084-21 s TANTAL. CHIP 1.5 10% 25V
 C89 1-135-125-21 s TANTAL. CHIP 33 20% 6.3V
 C90 1-135-125-21 s TANTAL. CHIP 33 20% 6.3V
 C91 1-162-638-11 s CERAMIC CHIP 1 16V
 C92 1-135-125-21 s TANTAL. CHIP 33 20% 6.3V
 C93 1-135-125-21 s TANTAL. CHIP 33 20% 6.3V
 C95 1-135-091-00 s TANTAL. CHIP 1 10% 16V
 C96 1-135-091-00 s TANTAL. CHIP 1 10% 16V
 C97 1-135-096-21 s TANTAL. CHIP 4.7 10% 10V
 C98 1-135-091-00 s TANTAL. CHIP 1 10% 16V
 C99 1-163-833-00 s CERAMIC CHIP 0.068 25V
 C101 1-135-091-00 s TANTAL. CHIP 1 10% 16V
 C102 1-135-091-00 s TANTAL. CHIP 1 10% 16V
 C105 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C106 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C109 1-135-073-21 s TANTAL. CHIP 0.33 10% 35V
 C110 1-135-071-00 s TANTAL. CHIP 0.1 10% 35V

Ref No. Parts No. SP Description

C111 1-135-073-00 s TANTAL. CHIP 0.33 10% 35V
 C112 1-135-071-21 s TANTAL. CHIP 0.1 10% 35V
 C113 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
 C115 1-135-083-00 s TANTAL. CHIP 0.47 10% 25V
 C116 1-162-638-11 s CERAMIC CHIP 1 16V
 C127 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C130 1-162-638-11 s CERAMIC CHIP 1 16V
 C137 1-162-638-11 s CERAMIC CHIP 1 16V
 C142 1-135-091-00 s TANTAL. CHIP 1 10% 16V
 C150 1-135-070-00 s TANTAL. CHIP 0.1 10% 35V
 C200 1-135-091-00 s TANTAL. CHIP 1 10% 16V
 C201 1-135-070-00 s TANTAL. CHIP 0.1 10% 35V
 C202 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
 C515 1-162-638-11 s CERAMIC CHIP 1 16V
 C518 1-162-638-11 s CERAMIC CHIP 1 16V
 C520 1-135-097-21 s TANTAL. CHIP 15 10% 10V
 C521 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C522 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C523 1-135-070-00 s TANTAL. CHIP 0.1 10% 35V
 C527 1-135-093-21 s TANTAL. CHIP 10 10% 16V
 C529 1-135-070-00 s TANTAL. CHIP 0.1 10% 35V
 C802 1-162-638-11 s CERAMIC CHIP 1 16V
 C803 1-135-070-00 s TANTAL. CHIP 0.1 10% 35V
 C807 1-163-833-00 s CERAMIC CHIP 0.068 25V
 C808 1-135-072-21 s TANTAL. CHIP 0.22 10% 35V
 C809 1-135-072-21 s TANTAL. CHIP 0.22 10% 35V
 C810 1-135-098-21 s TANTAL. CHIP 47 20% 6.3V
 C811 1-135-072-21 s TANTAL. CHIP 0.22 10% 35V
 C812 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 C813 1-124-584-00 s ELECT 100 20% 10V
 C814 1-135-091-00 s TANTAL. CHIP 1 10% 16V
 C815 1-135-100-21 s TANTAL. CHIP 6.8 10% 6.3V
 CN10 1-563-017-11 o F.P.C 30P
 CN13 1-566-093-11 o PIN, BOARD TO BOARD 8P
 CN14 1-566-093-11 o PIN, BOARD TO BOARD 7P
 CN15 1-566-098-11 o PIN, BOARD TO BOARD 14P
 CN16 1-566-095-11 o PIN, BOARD TO BOARD 11P
 CN17 1-564-548-11 o PIN, BOARD TO BOARD 5P
 D3 8-719-100-05 s 1S2837
 D4 8-719-101-23 s 1SS123
 D5 8-719-100-05 s 1S2837
 D6 8-719-100-05 s 1S2837
 D7 8-719-100-05 s 1S2837
 D8 8-719-100-05 s 1S2837
 D9 8-719-100-05 s 1S2837
 D10 8-719-100-05 s 1S2837
 D11 8-719-101-23 s 1SS123
 D12 8-719-101-23 s 1SS123
 D13 8-719-101-23 s 1SS123
 D14 8-719-100-05 s 1S2837
 D15 8-719-911-19 s 1SS119
 D16 8-719-911-19 s 1SS119
 D17 8-719-100-05 s 1S2837
 D19 8-719-100-05 s 1S2837
 D20 8-719-100-05 s 1S2837
 D21 8-719-100-05 s 1S2837
 D22 8-719-100-05 s 1S2837

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

D23 8-719-100-05 s IS2837
 D24 8-719-911-19 s ISS119
 D25 8-719-100-05 s IS2837
 D26 8-719-101-23 s ISS123

IC1 8-759-105-85 s uPD6111G (NEC)
 IC2 1-807-984-12 s BH1811
 IC3 8-807-985-21 s BH1812-A
 IC4 8-749-909-15 s BX3915A (SONY)
 IC5 8-759-200-90 s TC4538BF (TOSHIBA)

IC6 8-759-208-11 s TC4053BFHB (TOSHIBA)
 7) IC7 8-759-200-68 s TC4011BF (TOSHIBA)
 8) IC7 8-759-008-79 s MC14011BF (MOTOROLA)
 IC8 8-759-200-90 s TC4538BF (TOSHIBA)
 7) IC9 8-759-205-78 s TC504013BF (TOSHIBA)

8) IC9 8-759-932-98 s BU4013BF (ROHM)
 IC10 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC11 8-759-201-95 s TC40H386F (TOSHIBA)
 IC12 8-759-200-90 s TC4538BF (TOSHIBA)
 7) IC13 8-759-205-78 s TC504013BF (TOSHIBA)

8) IC13 8-759-932-98 s BU4013BF (ROHM)
 IC14 8-759-340-46 s HD14046BP (HITACHI)
 IC15 8-759-200-84 s TC4081BF (TOSHIBA)
 IC16 8-759-100-95 s uPC324G2 (NEC)
 IC17 8-759-208-11 s TC4053BFHB (TOSHIBA)

IC18 8-759-200-90 s TC4538BF (TOSHIBA)
 IC19 8-759-200-90 s TC4538BF (TOSHIBA)
 IC20 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC21 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC22 8-759-100-95 s uPC324G2 (NEC)

IC24 8-759-100-95 s uPC324G2 (NEC)
 IC26 8-759-100-94 s uPC358G2 (NEC)
 IC27 8-759-100-95 s uPC324G2 (NEC)
 IC28 8-759-100-96 s uPC4558G2 (NEC)
 IC29 8-759-100-95 s uPC324G2 (NEC)

IC31 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC32 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC33 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC34 8-759-200-90 s TC4538BF (TOSHIBA)
 7) IC35 8-759-205-78 s TC504013BF (TOSHIBA)

8) IC35 8-759-932-98 s BU4013BF (ROHM)
 IC36 8-759-200-90 s TC4538BF (TOSHIBA)
 IC37 8-759-100-94 s uPC358G2 (NEC)
 IC38 8-759-700-07 s NJM2903M (JRC)
 IC39 8-759-100-94 s uPC358G2 (NEC)

IC40 8-759-100-94 s uPC358G2 (NEC)
 IC41 8-759-100-94 s uPC358G2 (NEC)
 IC42 8-759-700-07 s NJM2903M (JRC)
 IC43 8-759-207-74 s TC4030BFHB (TOSHIBA)
 IC44 8-759-200-67 s TC4001BF (TOSHIBA)

IC45 8-759-200-82 s TC4069UBF (TOSHIBA)
 IC46 8-759-200-83 s TC4071BF (TOSHIBA)
 IC48 8-759-200-80 s TC4050BF (TOSHIBA)
 IC50 8-759-200-82 s TC4069UBF (TOSHIBA)
 IC51 8-759-700-07 s NJM2903M (JRC)

IC52 8-759-200-90 s TC4538BF (TOSHIBA)
 IC53 8-759-100-95 s uPC324G2 (NEC)
 IC54 8-759-200-77 s TC4028BF (TOSHIBA)
 IC55 8-759-100-95 s uPC324G2 (NEC)
 IC56 8-759-208-09 s TC4052BFHB (TOSHIBA)

Ref No. Parts No. SP Description

IC57 8-759-200-99 s TC4051BF (TOSHIBA)
 IC58 8-759-200-99 s TC4051BF (TOSHIBA)
 IC62 8-759-700-07 s NJM2903M (JRC)
 IC64 8-759-200-67 s TC4001BF (TOSHIBA)
 IC66 8-759-200-83 s TC4071BF (TOSHIBA)

IC67 8-759-200-82 s TC4069UBF (TOSHIBA)
 IC69 8-759-200-99 s TC4051BF (TOSHIBA)
 IC70 8-759-200-99 s TC4051BF (TOSHIBA)
 IC71 8-759-200-99 s TC4051BF (TOSHIBA)
 IC72 8-759-200-99 s TC4051BF (TOSHIBA)

IC73 8-759-700-07 s NJM2903M (JRC)
 IC74 8-759-100-94 s uPC358G2 (NEC)
 IC75 8-759-943-88 s MB88201H-558N (FUJITSU)
 IC76 8-759-943-89 s MB88201H-559G (FUJITSU)
 IC77 8-759-208-11 s TC4053BFHB (TOSHIBA)

IC78 8-759-200-67 s TC4001BF (TOSHIBA)
 IC79 8-759-200-90 s TC4538BF (TOSHIBA)

L1 1-408-789-21 s CHIP 100
 L2 1-408-789-21 s CHIP 100
 L3 1-408-789-21 s CHIP 100
 L4 1-410-071-11 s MICRO 10mH

Q1 8-729-901-01 s DTC144EK
 Q2 8-729-200-86 s 2SC2714-0
 Q3 8-729-271-22 s 2SC2712-G
 Q4 8-729-271-22 s 2SC2712-G
 Q5 8-729-901-01 s DTC144EK

Q7 8-729-901-01 s DTC144EK
 Q8 8-729-109-44 s 2SK94
 Q9 8-729-400-76 s 2SD1030
 Q11 8-729-901-01 s DTC144EK
 Q13 8-729-901-01 s DTC144EK

Q14 8-729-901-01 s DTC144EK
 Q15 8-729-901-01 s DTC144EK
 Q16 8-729-271-22 s 2SC2712-G
 Q17 8-729-901-01 s DTC144EK
 Q18 8-729-901-01 s DTC144EK

Q20 8-729-901-01 s DTC144EK
 Q21 8-729-901-01 s DTC144EK
 Q22 8-729-901-01 s DTC144EK
 Q23 8-729-901-01 s DTC144EK
 Q24 8-729-901-01 s DTC144EK

Q27 8-729-901-01 s DTC144EK
 Q28 8-729-901-01 s DTC144EK
 Q29 8-729-901-01 s DTC144EK
 Q30 8-729-901-01 s DTC144EK
 Q31 8-729-901-01 s DTC144EK

Q32 8-729-901-01 s DTC144EK
 Q34 8-729-901-01 s DTC144EK
 Q35 8-729-901-01 s DTC144EK
 Q36 8-729-901-01 s DTC144EK
 Q39 8-729-901-01 s DTC144EK

Q40 8-729-901-01 s DTC144EK
 Q41 8-729-901-01 s DTC144EK
 Q42 8-729-901-01 s DTC144EK
 Q43 8-729-901-01 s DTC144EK
 Q44 8-729-271-22 s 2SC2712-G

Parts that are not listed in the "reference numbers order list"
 are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

Q45 8-729-901-01 s DTC144EK
 Q46 8-729-901-01 s DTC144EK
 Q47 8-729-901-01 s DTC144EK
 Q48 8-729-900-89 s DTC144ES
 Q49 8-729-900-89 s DTC144ES

Q50 8-729-900-89 s DTC144ES
 Q52 8-729-901-01 s DTC144EK
 Q53 8-729-901-01 s DTC144EK
 Q54 8-729-901-01 s DTC144EK
 Q55 8-729-901-01 s DTC144EK

R20 1-216-698-11 s METAL CHIP 91k 0.50% 1/10W
 R22 1-216-699-11 s METAL CHIP 100k 0.50% 1/10W
 R23 1-216-699-11 s METAL CHIP 100k 0.50% 1/10W
 R26 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R27 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W

R34 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R35 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R41 1-216-689-11 s METAL CHIP 39k 0.50% 1/10W
 R124 1-216-699-11 s METAL CHIP 100k 0.50% 1/10W
 R125 1-216-699-11 s METAL CHIP 100k 0.50% 1/10W

R126 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R127 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R134 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R135 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R140 1-216-659-11 s METAL 2.2k 0.5% 1/10W

R141 1-216-649-11 s METAL CHIP 820 0.5% 1/10W
 R229 1-216-692-00 s METAL CHIP 51k 0.50% 1/10W
 R335 1-216-082-00 s METAL CHIP 24k 5% 1/10W
 R336 1-216-082-00 s METAL CHIP 24k 5% 1/10W
 R342 1-216-082-00 s METAL CHIP 24k 5% 1/10W

R345 1-216-082-00 s METAL CHIP 24k 5% 1/10W
 R350 1-216-692-11 s METAL CHIP 51k 0.50% 1/10W
 R351 1-216-748-11 s METAL CHIP 39k 5% 1/10W
 R427 1-216-696-11 s CHIP 75k 0.50% 1/10W

RV2 1-230-526-11 s VAR. METAL GLAZE 47k
 RV3 1-230-526-11 s VAR. METAL GLAZE 47k
 RV4 1-230-528-11 s VAR. METAL GLAZE 220k
 RV5 1-230-526-11 s VAR. METAL GLAZE 47k
 RV6 1-230-526-11 s VAR. METAL GLAZE 47k

RV7 1-230-524-11 s VAR. METAL GLAZE 22k
 RV9 1-230-527-11 s VAR. METAL GLAZE 100k
 RV10 1-230-524-11 s VAR. METAL GLAZE 22k
 RV11 1-230-524-11 s VAR. METAL GLAZE 22k
 RV12 1-230-526-11 s VAR. METAL GLAZE 47k

RV13 1-230-526-11 s VAR. METAL GLAZE 47k
 RV14 1-230-526-11 s VAR. METAL GLAZE 47k
 RV15 1-230-524-11 s VAR. METAL GLAZE 22k
 RV16 1-230-522-11 s VAR. METAL GLAZE 4.7k
 RV17 1-230-520-11 s VAR. METAL GLAZE 1k

RV18 1-230-527-11 s VAR. METAL GLAZE 100k
 RV19 1-230-524-11 s VAR. METAL GLAZE 22k
 RV20 1-230-524-11 s VAR. METAL GLAZE 22k
 RV21 1-230-523-11 s VAR. METAL GLAZE 10k
 RV22 1-230-521-11 s VAR. METAL GLAZE 2.2k

RV23 1-230-524-11 s VAR. METAL GLAZE 22k
 RV28 1-230-526-11 s VAR. METAL GLAZE 47k
 RV29 1-230-526-11 s VAR. METAL GLAZE 47k
 RV30 1-230-526-11 s VAR. METAL GLAZE 47k
 RV31 1-230-526-11 s VAR. METAL GLAZE 47k

Ref No. Parts No. SP Description

RV32 1-230-524-11 s VAR. METAL GLAZE 22k
 RV33 1-230-524-11 s VAR. METAL GLAZE 22k
 RV34 1-230-524-11 s VAR. METAL GLAZE 22k
 RV35 1-230-524-11 s VAR. METAL GLAZE 22k
 RV36 1-230-522-11 s VAR. METAL GLAZE 4.7

RV37 1-230-522-11 s VAR. METAL GLAZE 4.7

X1 1-567-860-11 s VIBRATOR, CRYSTAL 4.4336MHz
 X2 1-527-822-00 s CERAMIC 4MHz
 X3 1-527-822-00 s CERAMIC 4MHz

SW-24 BOARD

1-611-120-11 o PRINTED CIRCUIT BOARD, SW-24

S1 1-553-650-11 s MICRO "UNTHREAD END"

SW-203 BOARD

1-622-899-12 o PRINTED CIRCUIT BOARD, SW-203

S1 1-571-064-11 s MICRO "MISS-REC"

S2 1-571-064-11 s MICRO "MISS-REC"

SW-3 BOARD

1-617-189-12 o PRINTED CIRCUIT BOARD, SW-3

CN1 1-564-002-00 o 3P

SY-110 BOARD

A-6717-462-A o MOUNTED CIRCUIT BOARD, SY-110

C1 1-124-245-00 s ELECT 4.7 20% 25V
 C7 1-163-081-00 s CERAMIC CHIP 0.22 25V
 C12 1-129-794-00 s FILM 0.003 5% 100V
 C17 1-129-794-00 s FILM 0.003 5% 100V
 C24 1-124-245-00 s ELECT 4.7 20% 25V

C25 1-124-245-00 s ELECT 4.7 20% 25V
 C32 1-163-081-00 s CERAMIC CHIP 0.22 25V
 C33 1-163-081-00 s CERAMIC CHIP 0.22 25V
 C34 1-163-081-00 s CERAMIC CHIP 0.22 25V
 C35 1-163-081-00 s CERAMIC CHIP 0.22 25V

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

C36 1-163-081-00 s CERAMIC CHIP 0.22 25V
 C37 1-163-081-00 s CERAMIC CHIP 0.22 25V
 C38 1-163-081-00 s CERAMIC CHIP 0.22 25V
 C39 1-163-081-00 s CERAMIC CHIP 0.22 25V
 C40 1-163-081-00 s CERAMIC CHIP 0.22 25V

C42 1-119-505-11 s ELECT 4700 20% 16V
 C44 1-163-081-00 s CERAMIC CHIP 0.22 25V
 C47 1-163-081-00 s CERAMIC CHIP 0.22 25V
 C48 1-163-081-00 s CERAMIC CHIP 0.22 25V

CN1 1-563-017-11 o F.P.C 30P
 CN2 1-562-686-11 o F.P.C (26P)
 CN11 1-564-205-00 o PIN HEADER, STRAIGHT 4P

D1 8-719-100-05 s IS2837
 D2 8-719-101-41 s RD3.9E-L2
 D3 8-719-101-67 s RD7.5E-L2
 D4 8-719-101-39 s RD3.6E-L2
 D5 8-719-100-05 s IS2837

D6 8-719-200-02 s 10E2
 D7 8-719-100-05 s IS2837
 D8 8-719-160-69 s RD18F-B3
 D9 8-719-100-05 s IS2837
 D10 8-719-200-02 s 10E2

D11 8-719-100-05 s IS2837
 D12 8-719-200-02 s 10E2
 D13 8-719-160-69 s RD18F-B3
 D14 8-719-100-05 s IS2837
 D15 8-719-200-02 s 10E2

D16 8-719-101-76 s RD10E-L2
 D17 8-719-100-05 s IS2837
 D18 8-719-101-23 s ISS123

IC1 8-759-321-29 s HD63A01YOG-48P (HITACHI)
 IC2 8-759-938-68 s CXD1095Q (SONY)
 IC3 8-752-809-30 s CXP5048H-185Q (SONY)
 IC4 8-759-100-93 s uPC393G2 (NEC)
 IC5 8-759-100-93 s uPC393G2 (NEC)

IC6 8-759-927-29 s SN74HCU04NS (TI)
 IC7 8-759-800-72 s LA7205 (SANYO)
 IC8 8-759-800-72 s LA7205 (SANYO)
 IC9 8-759-208-05 s TC4520BFHB (TOSHIBA)
 IC10 8-759-205-47 s TC4040BF (TOSHIBA)

IC11 8-759-700-51 s NJN7805A (JRC)
 IC12 8-759-941-38 s BA6229U3 (ROHM)
 IC13 8-759-204-94 s TC74HC00F (TOSHIBA)

Q1 8-729-900-53 s DTC114EK
 Q2 8-729-901-04 s DTC114EK
 Q3 8-729-900-53 s DTC114EK
 Q4 8-729-901-04 s DTC114EK
 Q5 8-729-271-22 s 2SC2712-G

Q6 8-729-271-22 s 2SC2712-G
 Q7 8-729-271-22 s 2SC2712-G
 Q8 8-729-271-22 s 2SC2712-G
 Q9 8-729-216-21 s 2SA1162-Y
 Q10 8-729-216-21 s 2SA1162-Y

Ref No. Parts No. SP Description

Q11 8-719-729-42 s 2SD1164
 Q12 8-729-216-21 s 2SA1162-Y
 Q13 8-729-901-06 s DTA144EK
 Q14 8-729-900-53 s DTC114EK
 Q15 8-729-200-46 s 2SD1160

Q16 8-729-216-21 s 2SA1162-Y
 Q17 8-729-901-06 s DTA144EK
 Q18 8-729-200-46 s 2SD1160
 Q19 8-729-216-21 s 2SA1162-Y
 Q20 8-729-901-06 s DTA144EK

Q21 8-729-900-53 s DTC114EK
 Q22 8-729-200-46 s 2SD1160
 Q23 8-729-216-21 s 2SA1162-Y
 Q24 8-729-901-06 s DTA144EK
 Q25 8-729-200-46 s 2SD1160

Q26 8-729-216-21 s 2SA1162-Y
 Q27 8-729-901-06 s DTA144EK
 Q28 8-729-900-53 s DTC114EK
 Q29 8-729-200-46 s 2SD1160
 Q30 8-729-216-21 s 2SA1162-Y

Q31 8-729-901-06 s DTA144EK
 Q32 8-729-200-46 s 2SD1160
 Q33 8-729-216-21 s 2SA1162-Y
 Q34 8-729-901-06 s DTA144EK
 Q35 8-729-900-53 s DTC114EK

Q36 8-729-200-46 s 2SD1160
 Q37 8-729-216-21 s 2SA1162-Y
 Q38 8-729-901-06 s DTA144EK
 Q39 8-729-200-46 s 2SD1160
 Q40 8-729-901-01 s DTC144EK

Q41 8-729-901-06 s DTA144EK
 Q42 8-729-900-53 s DTC114EK
 Q43 8-729-271-22 s 2SC2712-G
 Q44 8-729-216-21 s 2SA1162-Y
 Q45 8-729-271-22 s 2SC2712-G

Q46 8-729-271-22 s 2SC2712-G
 Q47 8-729-271-22 s 2SC2712-G

R84 1-216-682-11 s METAL CHIP 20k 0.50% 1/10W
 R85 1-216-671-11 s METAL CHIP 6.8k 0.50% 1/10W
 R87 1-216-674-11 s METAL CHIP 9.1k 0.50% 1/10W
 R88 1-216-674-11 s METAL CHIP 9.1k 0.50% 1/10W
 R101 1-216-748-11 s METAL CHIP 39k 5% 1/10W

R103 1-216-748-11 s METAL CHIP 39k 5% 1/10W

RV1 1-228-473-00 s VAR. CERMET 5k
 RV2 1-228-474-00 s VAR. CERMET 10k

S1 1-553-252-00 s ROTARY
 S2 1-553-252-00 s ROTARY

X1 1-567-862-11 s VIBRATOR, CRYSTAL 4.9152MHZ

Parts that are not listed in the "reference numbers order list"
 are shown in the "General Purpose Electrical Parts List".

TC-45P, TG-31, VA-54

Ref No. Parts No. SP Description

TC-45P BOARD

A-6725-580-A o MOUNTED CIRCUIT BOARD, TC-45P

C4 1-124-140-00 s ELECT 220 20% 10V
C21 1-135-085-21 s TANTAL. CHIP 4.7 10% 25V
C28 1-135-093-21 s TANTAL. CHIP 10 10% 16V
C29 1-135-089-21 s TANTAL. CHIP 6.8 10% 20V

D1 8-719-101-23 s ISS123

IC1 8-759-708-08 s NJM78L08A (JRC)
IC2 8-759-700-09 s NJM2043M-D (JRC)
IC3 8-759-100-96 s uPC4558G2 (NEC)
IC6 8-759-100-96 s uPC4558G2 (NEC)
IC8 1-808-041-11 s BS-7462

Q1 8-729-901-01 s DTC144EK
Q2 8-729-271-22 s 2SC2712-G
Q3 8-729-216-21 s 2SA1162-Y
Q4 8-729-901-01 s DTC144EK
Q5 8-729-901-01 s DTC144EK

Q6 8-729-216-21 s 2SA1162-Y
Q7 8-729-400-76 s 2SD1030
Q8 8-729-202-38 s 2SC3326N
Q9 8-729-901-01 s DTC144EK
Q10 8-729-271-22 s 2SC2712-G

Q11 8-729-901-01 s DTC144EK
Q12 8-729-901-01 s DTC144EK
Q13 8-729-901-01 s DTC144EK
Q14 8-729-271-22 s 2SC2712-G
Q15 8-729-901-01 s DTC144EK

Q16 8-729-901-01 s DTC144EK
Q17 8-729-901-01 s DTC144EK
Q18 8-729-271-22 s 2SC2712-G
Q19 8-729-901-01 s DTC144EK
Q20 8-729-901-01 s DTC144EK

R20 1-216-664-11 s METAL CHIP 3.6k 0.50% 1/10W

S1 1-570-134-11 s SLIDE

TG-31 BOARD

All of the component parts on the TG-31 Board are supplied together when you order the MDN-3P Board.

1-622-864-12 o PRINTED CIRCUIT BOARD, TG-31

C10 1-123-661-00 s ELECT 100 20% 6.3V

CN1 1-564-549-11 o PIN. BOARD TO BOARD 10P

Ref No. Parts No. SP Description

D1 8-719-100-05 s IS2837

IC1 8-759-205-21 s TC74HC221F (TOSHIBA)
IC2 8-759-205-21 s TC74HC221F (TOSHIBA)
IC3 8-759-205-21 s TC74HC221F (TOSHIBA)
IC4 8-759-205-21 s TC74HC221F (TOSHIBA)

Q1 8-729-901-06 s DTA144EK
Q2 8-729-901-06 s DTA144EK
Q3 8-729-901-06 s DTA144EK
Q4 8-729-901-06 s DTA144EK

R3 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
R4 1-216-671-11 s METAL CHIP 6.8k 0.50% 1/10W
R5 1-216-671-11 s METAL CHIP 6.8k 0.50% 1/10W
R6 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
R7 1-216-671-11 s METAL CHIP 6.8k 0.50% 1/10W

R8 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
R9 1-216-665-11 s METAL CHIP 3.9k 0.50% 1/10W

RV611 1-228-474-00 s VAR. CERMET 10k
RV612 1-228-474-00 s VAR. CERMET 10k
RV613 1-228-474-00 s VAR. CERMET 10k
RV614 1-228-474-00 s VAR. CERMET 10k
RV615 1-237-033-11 s VAR. CERMET 1k

RV616 1-237-033-11 s VAR. CERMET 1k
RV617 1-237-033-11 s VAR. CERMET 1k
RV618 1-237-033-11 s VAR. CERMET 1k

VA-54 BOARD

All of the component parts on the VA-54 Board are supplied together when you order the MDN-3P Board.

1-622-865-13 o PRINTED CIRCUIT BOARD, VA-54

C3 1-135-093-21 s TANTAL. CHIP 10 10% 16V
C4 1-135-093-21 s TANTAL. CHIP 10 10% 16V

CN1 1-564-549-11 o PIN: BOARD TO BOARD, 10P

D1 8-719-101-23 s ISS123

IC2 8-752-015-81 s CX20158 (SONY)

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts list".

Ref No. Parts No. SP Description

Q1 8-729-903-10 s FHW1
Q2 8-729-904-04 s FMS2
Q3 8-729-907-26 s IMX1
Q4 8-729-903-82 s FHW2
Q5 8-729-202-38 s 2SC3326N
Q6 8-729-202-38 S 2SC3326N
R3 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
R4 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
R5 1-216-653-11 s METAL CHIP 1.2k 0.50% 1/10W
R11 1-216-094-00 s METAL CHIP 75k 5% 1/10W

RV609 1-228-471-00 s VAR. CERMET 1k

VA-68 BOARD

All of the component parts on the VA-68 Board are supplied together when you order the AU-93P Board.

1-623-291-11 o PRINTED CIRCUIT BOARD, VA-68

Ref No. Parts No. SP Description

VR-63 BOARD

1-622-912-11 o PRINTED CIRCUIT BOARD, VR-63

1-564-026-00 s CONTACT, RECEPTACLE

RV1 1-237-790-11 s VAR, CARBON 10k

VR-64 BOARD

All of the component parts on the VR-64 Board are supplied together when you order the NT-34 Board.

1-623-217-12 o PRINTED CIRCUIT BOARD, VR-64

RV1 1-237-790-21 s VAR, CARBON 10K

RV2 1-237-790-21 s VAR, CARBON 10K

C6 1-135-096-21 s TANTAL. CHIP 4.7 10% 10V
C7 1-135-085-21 s TANTAL. CHIP 4.7 10% 25V
C8 1-135-101-21 s TANTAL. CHIP 22 10% 6.3V
C9 1-135-093-21 s TANTAL. CHIP 10 10% 16V
C11 1-135-091-00 s TANTAL. CHIP 1 10% 16V

CN1 1-564-549-11 o PIN, BOARD TO BOARD 10P

IC1 8-752-011-10 s CX20111 (SONY)
IC11 8-752-320-37 s CXL5001M (SONY)
IC12 8-752-320-37 s CXL5001M (SONY)

Q1 8-729-216-21 s 2SA1162-Y
Q2 8-729-216-21 s 2SA1162-Y
Q11 8-729-216-21 s 2SA1162-Y
Q12 8-729-216-21 s 2SA1162-Y
Q13 8-729-201-27 s 2SC2715-Y

Q14 8-729-216-21 s 2SA1162-Y
Q21 8-729-216-21 s 2SA1162-Y
Q22 8-729-216-21 s 2SA1162-Y
Q23 8-729-201-27 s 2SC2715-Y
Q24 8-729-216-21 s 2SA1162-Y

R15 1-216-294-00 s METAL CHIP 10M 5% 1/8W
R25 1-216-294-00 s METAL CHIP 10M 5% 1/8W

RV11 1-228-473-00 s VAR. CERMET 5k
RV12 1-228-472-00 s VAR. CERMET 2k
RV21 1-228-473-00 s VAR. CERMET 5k
RV22 1-228-472-00 s VAR. CERMET 2k

VRA-1 BOARD

A-6711-831-B o MOUNTED CIRCUIT BOARD, VRA-1

C1 1-124-472-11 s ELECT 470 20% 10V
C2 1-162-638-11 s CERAMIC CHIP 1 16V
C3 1-162-638-11 s CERAMIC CHIP 1 16V
C4 1-162-638-11 s CERAMIC CHIP 1 16V
C5 1-162-638-11 s CERAMIC CHIP 1 16V

C6 1-162-638-11 s CERAMIC CHIP 1 16V
C7 1-162-638-11 s CERAMIC CHIP 1 16V
C8 1-162-638-11 s CERAMIC CHIP 1 16V
C9 1-162-638-11 s CERAMIC CHIP 1 16V
C10 1-162-638-11 s CERAMIC CHIP 1 16V

C11 1-162-638-11 s CERAMIC CHIP 1 16V
C12 1-162-638-11 s CERAMIC CHIP 1 16V
C13 1-162-638-11 s CERAMIC CHIP 1 16V

D1 8-719-106-53 s RD10M-B2

IC101 1-807-991-11 s BH1806
IC102 1-807-991-11 s BH1806
IC201 1-807-991-11 s BH1806
IC202 1-807-991-11 s BH1806

L2 1-408-777-00 s CHIP 10
L4 1-408-777-00 s CHIP 10

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
---------	-----------	----	-------------

Q6	8-729-271-22	s	2SC2712-G
Q7	8-729-901-01	s	DTC144EK
Q8	8-729-271-22	s	2SC2712-G
Q9	8-729-901-01	s	DTC144EK
Q10	8-729-216-21	s	2SA1162-Y

Q11	8-729-216-21	s	2SA1162-Y
Q101	8-729-200-86	s	2SC2714-o
Q102	8-729-271-22	s	2SC2712-G
Q103	8-729-271-22	s	2SC2712-G
Q104	8-729-122-63	s	2SA1226

Q105	8-729-122-63	s	2SA1226
Q106	8-729-122-63	s	2SA1226
Q107	8-729-122-63	s	2SA1226
Q108	8-729-202-38	s	2SC3326N
Q109	8-729-202-38	s	2SC3326N

Q110	8-729-202-38	s	2SC3326N
Q111	8-729-202-38	s	2SC3326N
Q201	8-729-200-86	s	2SC2714-0
Q202	8-729-271-22	s	2SC2712-G
Q203	8-729-271-22	s	2SC2712-G

Q204	8-729-122-63	s	2SA1226
Q205	8-729-122-63	s	2SA1226
Q206	8-729-122-63	s	2SA1226
Q207	8-729-122-63	s	2SA1226
Q208	8-729-202-38	s	2SC3326N

Q209	8-729-202-38	s	2SC3326N
Q210	8-729-202-38	s	2SC3326N
Q211	8-729-202-38	s	2SC3326N

R124	1-216-603-11	s	METAL CHIP 10 0.50% 1/10W
R125	1-216-603-11	s	METAL CHIP 10 0.50% 1/10W
R224	1-216-603-11	s	METAL CHIP 10 0.50% 1/10W
R225	1-216-603-11	s	METAL CHIP 10 0.50% 1/10W

RV101	1-228-456-00	s	VAR. CERMET 1k
RV102	1-228-456-00	s	VAR. CERMET 1k
RV103	1-228-456-00	s	VAR. CERMET 1k
RV104	1-228-456-00	s	VAR. CERMET 1k
RV105	1-228-453-00	s	VAR. CERMET 100

RV106	1-228-453-00	s	VAR. CERMET 100
RV107	1-228-455-00	s	VAR. CERMET 500
RV108	1-228-455-00	s	VAR. CERMET 500
RV109	1-228-455-00	s	VAR. CERMET 500
RV110	1-228-455-00	s	VAR. CERMET 500

RV201	1-228-456-00	s	VAR. CERMET 1k
RV202	1-228-456-00	s	VAR. CERMET 1k
RV203	1-228-456-00	s	VAR. CERMET 1k
RV204	1-228-456-00	s	VAR. CERMET 1k
RV205	1-228-453-00	s	VAR. CERMET 100

RV206	1-228-453-00	s	VAR. CERMET 100
RV207	1-228-455-00	s	VAR. CERMET 500
RV208	1-228-455-00	s	VAR. CERMET 500
RV209	1-228-455-00	s	VAR. CERMET 500
RV210	1-228-455-00	s	VAR. CERMET 500

T101	1-427-545-11	s	RF OUTPUT
T102	1-427-545-11	s	RF OUTPUT
T201	1-427-545-11	s	RF OUTPUT
T202	1-427-545-11	s	RF OUTPUT

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

DC-DC CONVERTER

1-464-809-11 s DC-DC CONVERTER, CD-73
 1-623-107-11 o PRINTED CIRCUIT BOARD, PK-73M
 1-108-365-51 s MYLAR 0.001 10% 100V
 2-434-448-01 s SCREW 2.6x5
 2-403-707-01 s CASE
 2-431-969-01 s SHEET, INSULATING

C1 1-127-531-11 s ELECT (SOLID) 33 20% 20V
 C2 1-127-531-11 s ELECT (SOLID) 33 20% 20V
 C3 1-127-531-11 s ELECT (SOLID) 33 20% 20V
 C4 1-127-531-11 s ELECT (SOLID) 33 20% 20V
 C5 1-127-531-11 s ELECT (SOLID) 33 20% 20V

C8 1-130-030-51 s FILM 0.01 5% 50V
 C9 1-130-030-51 s FILM 0.01 5% 50V
 C10 1-127-531-11 s ELECT 33 20% 20V
 C11 1-127-531-11 s ELECT 33 20% 20V
 C12 1-127-531-11 s ELECT 33 20% 20V

C13 1-127-531-11 s ELECT 33 20% 20V
 C14 1-127-514-11 s ELECT 33 20% 16V
 C15 1-127-514-11 s ELECT 33 20% 16V
 C16 1-127-515-11 s ELECT 47 20% 10V
 C17 1-127-515-11 s ELECT 47 20% 10V

C18 1-127-515-11 s ELECT 47 20% 10V
 C19 1-127-515-11 s ELECT 47 20% 10V

CN1 1-564-205-11 o PIN HEADER, STRAIGHT 4P
 CN2 1-564-210-11 o PIN HEADER, STRAIGHT 12P

D1 8-719-903-06 s ERC84-009
 D2 8-719-903-06 s ERC84-009
 D3 8-719-907-25 s ERA84-009
 D4 8-719-907-25 s ERA84-009
 D5 8-719-903-06 s ERC84-009

D6 8-719-903-06 s ERC84-009
 D7 8-719-200-53 s 31DQ04
 D8 8-719-200-53 s 31DQ04
 D9 8-719-200-53 s 31DQ04
 D10 8-719-200-53 s 31DQ04

D11 1-807-675-11 s 1SS131
 D12 1-807-675-11 s 1SS131
 D13 8-719-100-71 s RD15E-B2
 D14 8-719-100-61 s RD11E-B2
 D15 8-719-100-38 s RD6.2E-B2

D16 8-719-100-38 s RD6.2E-B2

L1 1-421-547-11 s CHOKE 10
 L2 1-421-381-11 s FERRITE CHOKE 220
 L3 1-421-547-11 s CHOKE 10
 L4 A-4929-671-A o L ASSY, CD-73 910
 L5 1-421-547-11 s CHOKE 10

Ref No. Parts No. SP Description

L6 1-459-215-31 s (WITH CORE) 120
 L7 1-421-547-11 s CHOKE 10
 L8 1-459-215-31 s (WITH CORE) 120
 L9 1-421-547-11 s CHOKE 10
 L10 1-459-215-31 s (WITH CORE) 120

L11 1-421-547-11 s CHOKE 10

Q1 8-729-177-43 s 2SD774
 Q2 8-729-177-43 s 2SD774
 Q3 1-807-915-21 s 2SC3692-M
 Q4 1-807-915-21 s 2SC3692-M

R1 1-535-363-11 s SHUNT
 R2 1-244-851-11 s CARBON 120 5% 1/2W
 R3 1-244-851-11 s CARBON 120 5% 1/2W
 R4 1-246-441-25 s CARBON 47 5% 1/4W
 R5 1-246-441-25 s CARBON 47 5% 1/4W

R6 1-244-851-11 s CARBON 120 5% 1/2W
 R7 1-247-859-31 s CARBON 15k 5% 1/4W
 R8 1-247-859-31 s CARBON 15k 5% 1/4W

T1 1-447-717-11 s CONVERTER

Parts that are not listed in the "reference numbers order list"
 are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
---------	-----------	----	-------------

FRAME

A-6050-525-A	s	HEAD DRUM ASS'Y (DBH-04A-R)
A-6762-334-A	s	DRUM ASS'Y, UPPER (DBR-04-R)
1-558-261-22	o	WIRE FLEXIBLE CARD, 30P (SY-110 to SY-94)
1-558-262-12	o	WIRE FLEXIBLE CARD, 34P (MB-157 to CN-185)
1-559-322-11	o	WIRE FLEXIBLE CARD, 22P (MS-22 to MT-34)
1-559-323-11	o	WIRE FLEXIBLE CARD, 26P (SY-110 to KY-110)

Ref No.	Parts No.	SP	Description
---------	-----------	----	-------------

M1001	A-6737-186-B	s	MOTOR ASS'Y, DRUM
M1002	8-835-261-01	s	DC, BHF-1820A "CAPSTAN"
M1003, M1004	8-838-059-02	s	DC, BHF-1801B "REEL"
M1005	8-835-159-01	s	DC, SP-0873 "THREADING"
M1006	8-835-067-01	s	DC, DNR-5300A "EJECT"

ME1001	1-520-495-11	s	"LNG CH-1/R-Y"
ME1002	1-520-495-11	s	"LNG CH-2/B-Y"
ME1003	1-520-495-11	s	"AFM CH-4/Y"
ME1004	1-520-495-31	s	"AFM CH-4/VIDEO/BATT"

PM1001	1-454-334-51	s	12V 10ohm "TEN-REG"
PM1002	1-454-360-21	s	12V 10ohm "EJECT"
PM1004	1-454-340-41	s	12V 20ohm "PINCH"

S951	1-552-504-00	s	TOGGLE "POWER"
S1002	X-3682-809-0	s	SWITCH ASS'Y "CASSETTE LOCK"
S1003	1-570-028-11	s	MICRO "MISS REC (OXIDE)"
S1004	1-570-816-11	s	REED "THREAD END"
S1005	1-570-816-11	s	REED "TENSION REGULATOR"

△ CB951	1-532-525-31	s	BREAKER, CIRCUIT
---------	--------------	---	------------------

CN950	1-564-603-11	s	DC SW SP "EXT DC IN"
CN982	1-464-718-21	s	RF MODULATOR "UHF OUT"
CN983	1-562-382-00	s	RECEPTACLE BNC "TC IN"
CN984	1-562-382-00	s	RECEPTACLE BNC "SC IN"
CN985	1-562-382-00	s	RECEPTACLE BNC "VIDEO IN"
CN986	1-562-382-00	s	RECEPTACLE BNC "TC OUT"
CN987	1-562-382-00	s	RECEPTACLE BNC "VIDEO OUT 1"
CN988	1-562-382-00	s	RECEPTACLE BNC "VIDEO OUT 2"
CN989	1-562-160-00	s	RECEPTACLE, 12P(R-F) FEMALE "DUB/COMPONENT OUT"
CN990	1-556-617-11	s	XLR (4 GANG), MALE "AUDIO OUT"
CN991	1-566-616-11	s	XLR (4 GANG), FEMALE "AUDIO IN"
CN998	1-562-245-00	s	26P, FEMALE "CAMERA"
CN999	1-563-890-11	s	9P SOCKET, D-SUB "REMOTE"

CS1001	1-586-633-00	s	CONDENSATION SENSOR
--------	--------------	---	---------------------

H1001, H1002, H1003	8-825-623-31	s	ATAC, EPS244-2103C "AUDIO REC/PB, TIME CODE, AUDIO ERASE, CONF1"
H1004	8-725-770-71	s	FE, EF291-21 "FULL ERASE"
H1005	8-825-554-83	s	CTL, PS244-21B "CTL REC/PB"
H1011, H1012, H1013, H1014	A-6050-525-A	s	HEAD DRUM ASS'Y, DBH-04A-R

J1	1-507-743-00	s	JACK, STEREO MINIATURE "EARPHONE"
J2	1-507-863-31	s	JACK, LARGE TYPE "HEADPHONES"
J3	1-507-905-00	s	JACK, DC

L1001	1-543-211-21	s	HEAD, SENSING (SMALL TYPE) "TAPE BEGINNING SENSOR"
L1002	1-543-316-21	s	HEAD, SENSING (SMALL TYPE) "TAPE END SENSOR"

Parts that are not listed in the "reference numbers order list" are shown in the "General Purpose Electrical Parts List".

16-4. PACKING MATERIAL AND ACCESSORY (SUPPLIED)

Part No.	SP	Description
A-6725-574-A	s	MOUNTED CIRCUIT BOARD, EX-150
1-551-866-11	s	CORD, CONNECTION
1-552-957-00	s	SWITCH, ANTENNA (ANS-33)
3-699-236-01	o	CASE
3-701-623-00	s	BAG, POLYETHYLENE (FOR EX-150 BOARD) (S/N up to 10769)
3-701-632-00	s	BAG, POLYETHYLENE (FOR MANUAL AND BVW-35 UNIT)
3-719-104-01	o	BOX, ACCESSORY
3-719-168-01	o	CUSION (UPPER)
3-719-169-01	o	CUSION (LOWER)
3-719-190-02	o	INDIVIDUAL CARTON
3-719-207-02	s	BELT, SHOULDER
3-719-209-03	s	CASE, CARRYING
4-885-820-00	s	BAG, PROTECTION

16-5. FIXTURE

Part No.	SP	Description
J-6001-820-A	o	DRUM ECCENTRICITY GAUGE (3)
J-6001-830-A	o	DRUM ECCECTRICITY GAUGE (2)
J-6001-840-A	o	DRUM ECCENTRICITY GAUGE (1)
J-6087-000-A	o	DRUM ECCENTRICITY GAUGE (5)
J-6031-840-A	o	MULTI CONNECTOR CABLE
J-6080-008-A	o	CASSETTE REFERENCE PLATE
J-6080-013-A	o	DIHEDRAL ADJUSTMENT SCREW
J-6080-029-A	o	SMALL MIRROR FOR ADJUSTMENT
J-6080-030-A	o	SPARE MIRROR
J-6152-450-A	o	WIRE CLEARANCE GAUGE
J-6190-800-A	o	TENSION REGULATOR SLANTNESS CHECK TOOL
J-6331-120-A	o	PB AMPLIFIER TOOL
Pending	o	VISC DOUBLER (EW224)
Y-2031-001-0	o	CLEANING FLUID
2-034-697-00	o	CLEANING PIECE
3-702-390-01	o	ECCENTRICITY DRIVER (4MM DIA.)
7-732-050-20	o	TENSION SCALE (50G FULL SCALE)
8-960-096-51	o	ALIGNMENT TAPE, CR2-1B PS
8-960-096-86	o	ALIGNMENT TAPE, CR8-1B PS
8-960-096-91	o	ALIGNMENT TAPE, CR5-1B PS
8-960-098-02	o	ALIGNMENT TAPE, CR2-1PS
8-960-098-44	o	ALIGNMENT TAPE, CR5-2A PS
9-911-053-00	o	THICKNESS GAUGE
Standard		
Products		HEAD DEMAGNETIZER (HE-4)

BVW-35P (EK, UC)
3-719-189-34 Volume-2

Sony Corporation
Broadcast Products Group

Printed in Japan
1991. 10 04
© 1988
Published by B & P Operations Group